

AAFCO Check Sample Program
All Labs and All Methods Report
Sort by Method
Proficiency For Individual Methods
Sample # 201024
Preconditioning/Receiving Chow, Medicated



AAFCO
 Association of American Feed Control Officials

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|---------------------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 000.00 | #N/A | 864 | 0.0000 | 0.0000 | | | 0.0000 | 1 | | | |
| 000.01 | Urea, NPN, Urea + Am, Urease Methc | 98 | 2.2550 | 0.1700 | | | 0.1700 | 1 | | | |
| 000.02 | Urea, As protein, Colorimetric | 878 | 1.0100 | 0.0200 | | | 0.0200 | 1 | | | |
| 001.00 | Loss on Drying, Vac 95 deg 5 hr | 560 | 6.1700 | 0.0400 | 7.4164 | 0.3343 | 0.0754 | 11 | -3.73 | 8% | 0 |
| 001.00 | Loss on Drying, Vac 95 deg 5 hr | 733 | 6.5800 | 0.1000 | 7.4164 | 0.3343 | 0.0754 | 11 | -2.50 | 6% | 0 |
| 001.00 | Loss on Drying, Vac 95 deg 5 hr | 722 | 7.2386 | 0.0193 | 7.4164 | 0.3343 | 0.0754 | 11 | -0.53 | 1% | 0 |
| 001.00 | Loss on Drying, Vac 95 deg 5 hr | 29 | 7.2750 | 0.2300 | 7.4164 | 0.3343 | 0.0754 | 11 | -0.42 | 1% | 0 |
| 001.00 | Loss on Drying, Vac 95 deg 5 hr | 309 | 7.2950 | 0.0500 | 7.4164 | 0.3343 | 0.0754 | 11 | -0.36 | 1% | 0 |
| 001.00 | Loss on Drying, Vac 95 deg 5 hr | 783 | 7.4000 | 0.0600 | 7.4164 | 0.3343 | 0.0754 | 11 | -0.05 | 0% | 0 |
| 001.00 | Loss on Drying, Vac 95 deg 5 hr | 861 | 7.5450 | 0.0700 | 7.4164 | 0.3343 | 0.0754 | 11 | 0.38 | 1% | 0 |
| 001.00 | Loss on Drying, Vac 95 deg 5 hr | 27 | 7.5900 | 0.1400 | 7.4164 | 0.3343 | 0.0754 | 11 | 0.52 | 1% | 0 |
| 001.00 | Loss on Drying, Vac 95 deg 5 hr | 844 | 7.6650 | 0.0300 | 7.4164 | 0.3343 | 0.0754 | 11 | 0.74 | 2% | 0 |
| 001.00 | Loss on Drying, Vac 95 deg 5 hr | 169 | 7.7950 | 0.0300 | 7.4164 | 0.3343 | 0.0754 | 11 | 1.13 | 3% | 0 |
| 001.00 | Loss on Drying, Vac 95 deg 5 hr | 1 | 8.2300 | 0.0600 | 7.4164 | 0.3343 | 0.0754 | 11 | 2.43 | 5% | 0 |
| 001.00 | Loss on Drying, Vac 95 deg 5 hr | 504 | 7.7250 | 1.4300 | 7.4164 | 0.3343 | 0.0754 | 11 | 0.92 | 2% | 1 |
| 001.00 | Loss on Drying, Vac 95 deg 5 hr | 732 | 6.3900 | 0.0000 | 7.4164 | 0.3343 | 0.0754 | 11 | -3.07 | 7% | 8 |
| 001.00 | Loss on Drying, Vac 95 deg 5 hr | 784 | 7.3300 | 0.0600 | 7.4164 | 0.3343 | 0.0754 | 11 | -0.26 | 1% | 8 |
| 001.00 | Loss on Drying, Vac 95 deg 5 hr | 785 | 7.3800 | 0.0800 | 7.4164 | 0.3343 | 0.0754 | 11 | -0.11 | 0% | 8 |
| 001.03 | Loss on Drying, Low temp. methods | 727 | 6.6950 | 0.1700 | 7.3870 | 0.4232 | 0.0820 | 5 | -1.64 | 5% | 0 |
| 001.03 | Loss on Drying, Low temp. methods | 731 | 7.2850 | 0.0500 | 7.3870 | 0.4232 | 0.0820 | 5 | -0.24 | 1% | 0 |
| 001.03 | Loss on Drying, Low temp. methods | 686 | 7.5450 | 0.0900 | 7.3870 | 0.4232 | 0.0820 | 5 | 0.37 | 1% | 0 |
| 001.03 | Loss on Drying, Low temp. methods | 868 | 7.7000 | 0.0400 | 7.3870 | 0.4232 | 0.0820 | 5 | 0.74 | 2% | 0 |
| 001.03 | Loss on Drying, Low temp. methods | 878 | 7.7100 | 0.0600 | 7.3870 | 0.4232 | 0.0820 | 5 | 0.76 | 2% | 0 |
| 001.05 | Loss on Drying, LECO | 610 | 7.3900 | 0.0400 | | | 0.0400 | 1 | | | |
| 001.07 | Loss on Drying, 104 deg 3 hr, in malt | 618 | 2.1800 | 0.0400 | 7.4947 | 0.2337 | 0.1080 | 34 | -22.75 | 35% | 0 |
| 001.07 | Loss on Drying, 104 deg 3 hr, in malt | 345 | 6.6100 | 0.0200 | 7.4947 | 0.2337 | 0.1080 | 34 | -3.79 | 6% | 0 |
| 001.07 | Loss on Drying, 104 deg 3 hr, in malt | 353 | 6.6800 | 0.2000 | 7.4947 | 0.2337 | 0.1080 | 34 | -3.49 | 5% | 0 |
| 001.07 | Loss on Drying, 104 deg 3 hr, in malt | 38 | 6.7525 | 0.2850 | 7.4947 | 0.2337 | 0.1080 | 34 | -3.18 | 5% | 0 |
| 001.07 | Loss on Drying, 104 deg 3 hr, in malt | 297 | 7.1550 | 0.0100 | 7.4947 | 0.2337 | 0.1080 | 34 | -1.45 | 2% | 0 |
| 001.07 | Loss on Drying, 104 deg 3 hr, in malt | 83 | 7.2250 | 0.0500 | 7.4947 | 0.2337 | 0.1080 | 34 | -1.15 | 2% | 0 |
| 001.07 | Loss on Drying, 104 deg 3 hr, in malt | 15 | 7.3000 | 0.1000 | 7.4947 | 0.2337 | 0.1080 | 34 | -0.83 | 1% | 0 |
| 001.07 | Loss on Drying, 104 deg 3 hr, in malt | 413 | 7.3500 | 0.1000 | 7.4947 | 0.2337 | 0.1080 | 34 | -0.62 | 1% | 0 |
| 001.07 | Loss on Drying, 104 deg 3 hr, in malt | 675 | 7.3550 | 0.0300 | 7.4947 | 0.2337 | 0.1080 | 34 | -0.60 | 1% | 0 |

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| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 001.07 | Loss on Drying, 104 deg 3 hr, in malt | 178 | 7.4000 | 0.0000 | 7.4947 | 0.2337 | 0.1080 | 34 | -0.41 | 1% | 0 |
| 001.07 | Loss on Drying, 104 deg 3 hr, in malt | 609 | 7.4000 | 0.4000 | 7.4947 | 0.2337 | 0.1080 | 34 | -0.41 | 1% | 0 |
| 001.07 | Loss on Drying, 104 deg 3 hr, in malt | 65 | 7.4060 | 0.0280 | 7.4947 | 0.2337 | 0.1080 | 34 | -0.38 | 1% | 0 |
| 001.07 | Loss on Drying, 104 deg 3 hr, in malt | 849 | 7.4200 | 0.0600 | 7.4947 | 0.2337 | 0.1080 | 34 | -0.32 | 0% | 0 |
| 001.07 | Loss on Drying, 104 deg 3 hr, in malt | 35 | 7.4300 | 0.0400 | 7.4947 | 0.2337 | 0.1080 | 34 | -0.28 | 0% | 0 |
| 001.07 | Loss on Drying, 104 deg 3 hr, in malt | 98 | 7.4700 | 0.0600 | 7.4947 | 0.2337 | 0.1080 | 34 | -0.11 | 0% | 0 |
| 001.07 | Loss on Drying, 104 deg 3 hr, in malt | 845 | 7.4850 | 0.0700 | 7.4947 | 0.2337 | 0.1080 | 34 | -0.04 | 0% | 0 |
| 001.07 | Loss on Drying, 104 deg 3 hr, in malt | 571 | 7.5050 | 0.0100 | 7.4947 | 0.2337 | 0.1080 | 34 | 0.04 | 0% | 0 |
| 001.07 | Loss on Drying, 104 deg 3 hr, in malt | 591 | 7.5100 | 0.4400 | 7.4947 | 0.2337 | 0.1080 | 34 | 0.07 | 0% | 0 |
| 001.07 | Loss on Drying, 104 deg 3 hr, in malt | 695 | 7.5200 | 0.1600 | 7.4947 | 0.2337 | 0.1080 | 34 | 0.11 | 0% | 0 |
| 001.07 | Loss on Drying, 104 deg 3 hr, in malt | 669 | 7.5350 | 0.0500 | 7.4947 | 0.2337 | 0.1080 | 34 | 0.17 | 0% | 0 |
| 001.07 | Loss on Drying, 104 deg 3 hr, in malt | 689 | 7.5500 | 0.1000 | 7.4947 | 0.2337 | 0.1080 | 34 | 0.24 | 0% | 0 |
| 001.07 | Loss on Drying, 104 deg 3 hr, in malt | 171 | 7.5700 | 0.1000 | 7.4947 | 0.2337 | 0.1080 | 34 | 0.32 | 1% | 0 |
| 001.07 | Loss on Drying, 104 deg 3 hr, in malt | 89 | 7.5750 | 0.0100 | 7.4947 | 0.2337 | 0.1080 | 34 | 0.34 | 1% | 0 |
| 001.07 | Loss on Drying, 104 deg 3 hr, in malt | 588 | 7.6000 | 0.0400 | 7.4947 | 0.2337 | 0.1080 | 34 | 0.45 | 1% | 0 |
| 001.07 | Loss on Drying, 104 deg 3 hr, in malt | 872 | 7.6400 | 0.0400 | 7.4947 | 0.2337 | 0.1080 | 34 | 0.62 | 1% | 0 |
| 001.07 | Loss on Drying, 104 deg 3 hr, in malt | 581 | 7.6850 | 0.0900 | 7.4947 | 0.2337 | 0.1080 | 34 | 0.81 | 1% | 0 |
| 001.07 | Loss on Drying, 104 deg 3 hr, in malt | 550 | 7.6950 | 0.0700 | 7.4947 | 0.2337 | 0.1080 | 34 | 0.86 | 1% | 0 |
| 001.07 | Loss on Drying, 104 deg 3 hr, in malt | 74 | 7.7300 | 0.2200 | 7.4947 | 0.2337 | 0.1080 | 34 | 1.01 | 2% | 0 |
| 001.07 | Loss on Drying, 104 deg 3 hr, in malt | 199 | 7.7300 | 0.0400 | 7.4947 | 0.2337 | 0.1080 | 34 | 1.01 | 2% | 0 |
| 001.07 | Loss on Drying, 104 deg 3 hr, in malt | 559 | 7.7350 | 0.0500 | 7.4947 | 0.2337 | 0.1080 | 34 | 1.03 | 2% | 0 |
| 001.07 | Loss on Drying, 104 deg 3 hr, in malt | 843 | 7.7650 | 0.4700 | 7.4947 | 0.2337 | 0.1080 | 34 | 1.16 | 2% | 0 |
| 001.07 | Loss on Drying, 104 deg 3 hr, in malt | 187 | 7.7750 | 0.0900 | 7.4947 | 0.2337 | 0.1080 | 34 | 1.20 | 2% | 0 |
| 001.07 | Loss on Drying, 104 deg 3 hr, in malt | 366 | 7.8000 | 0.2000 | 7.4947 | 0.2337 | 0.1080 | 34 | 1.31 | 2% | 0 |
| 001.07 | Loss on Drying, 104 deg 3 hr, in malt | 142 | 8.5000 | 0.0000 | 7.4947 | 0.2337 | 0.1080 | 34 | 4.30 | 7% | 0 |
| 001.07 | Loss on Drying, 104 deg 3 hr, in malt | 45 | 92.2000 | 1.0000 | 7.4947 | 0.2337 | 0.1080 | 34 | 362.53 | 565% | 2 |
| 001.08 | Loss on Drying, 102 deg 16 hr, in mea | 590 | 7.3950 | 0.2300 | | | 0.2300 | 1 | | | |
| 001.99 | Loss on Drying, Miscellaneous | 720 | 6.8400 | 0.1200 | 7.4979 | 0.2381 | 0.0886 | 14 | -2.76 | 4% | 0 |
| 001.99 | Loss on Drying, Miscellaneous | 853 | 6.9350 | 0.0300 | 7.4979 | 0.2381 | 0.0886 | 14 | -2.36 | 4% | 0 |
| 001.99 | Loss on Drying, Miscellaneous | 536 | 7.2800 | 0.1400 | 7.4979 | 0.2381 | 0.0886 | 14 | -0.92 | 1% | 0 |
| 001.99 | Loss on Drying, Miscellaneous | 510 | 7.3000 | 0.2000 | 7.4979 | 0.2381 | 0.0886 | 14 | -0.83 | 1% | 0 |
| 001.99 | Loss on Drying, Miscellaneous | 676 | 7.3160 | 0.0200 | 7.4979 | 0.2381 | 0.0886 | 14 | -0.76 | 1% | 0 |
| 001.99 | Loss on Drying, Miscellaneous | 630 | 7.4950 | 0.2100 | 7.4979 | 0.2381 | 0.0886 | 14 | -0.01 | 0% | 0 |
| 001.99 | Loss on Drying, Miscellaneous | 681 | 7.5250 | 0.0500 | 7.4979 | 0.2381 | 0.0886 | 14 | 0.11 | 0% | 0 |
| 001.99 | Loss on Drying, Miscellaneous | 37 | 7.5700 | 0.0400 | 7.4979 | 0.2381 | 0.0886 | 14 | 0.30 | 0% | 0 |
| 001.99 | Loss on Drying, Miscellaneous | 619 | 7.6000 | 0.0000 | 7.4979 | 0.2381 | 0.0886 | 14 | 0.43 | 1% | 0 |
| 001.99 | Loss on Drying, Miscellaneous | 656 | 7.6550 | 0.0100 | 7.4979 | 0.2381 | 0.0886 | 14 | 0.66 | 1% | 0 |
| 001.99 | Loss on Drying, Miscellaneous | 786 | 7.6700 | 0.2200 | 7.4979 | 0.2381 | 0.0886 | 14 | 0.72 | 1% | 0 |
| 001.99 | Loss on Drying, Miscellaneous | 629 | 7.7100 | 0.0200 | 7.4979 | 0.2381 | 0.0886 | 14 | 0.89 | 1% | 0 |
| 001.99 | Loss on Drying, Miscellaneous | 357 | 7.7200 | 0.0000 | 7.4979 | 0.2381 | 0.0886 | 14 | 0.93 | 1% | 0 |
| 001.99 | Loss on Drying, Miscellaneous | 505 | 7.7800 | 0.1800 | 7.4979 | 0.2381 | 0.0886 | 14 | 1.18 | 2% | 0 |
| 001.99 | Loss on Drying, Miscellaneous | 615 | 7.9300 | 0.6800 | 7.4979 | 0.2381 | 0.0886 | 14 | 1.81 | 3% | 1 |

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|-------------|--------------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 001.99 | Loss on Drying, Miscellaneous | 787 | 7.6000 | 0.0400 | 7.4979 | 0.2381 | 0.0886 | 14 | 0.43 | 1% | 8 |
| 001.99 | Loss on Drying, Miscellaneous | 788 | 7.6950 | 0.0300 | 7.4979 | 0.2381 | 0.0886 | 14 | 0.83 | 1% | 8 |
| 002.00 | Protein, Crude | 15 | 11.7900 | 0.0200 | 12.7036 | 0.7066 | 0.1850 | 6 | -1.29 | 4% | 0 |
| 002.00 | Protein, Crude | 864 | 12.0300 | 0.0200 | 12.7036 | 0.7066 | 0.1850 | 6 | -0.95 | 3% | 0 |
| 002.00 | Protein, Crude | 28 | 12.6950 | 0.2100 | 12.7036 | 0.7066 | 0.1850 | 6 | -0.01 | 0% | 0 |
| 002.00 | Protein, Crude | 199 | 13.0200 | 0.1000 | 12.7036 | 0.7066 | 0.1850 | 6 | 0.45 | 1% | 0 |
| 002.00 | Protein, Crude | 845 | 13.0900 | 0.3800 | 12.7036 | 0.7066 | 0.1850 | 6 | 0.55 | 2% | 0 |
| 002.00 | Protein, Crude | 826 | 13.4800 | 0.3800 | 12.7036 | 0.7066 | 0.1850 | 6 | 1.10 | 3% | 0 |
| 002.00 | Protein, Crude | 581 | 12.4250 | 1.5700 | 12.7036 | 0.7066 | 0.1850 | 6 | -0.39 | 1% | 1 |
| 002.01 | Protein, Auto Kjel-Foss | 716 | 11.9000 | 0.2000 | 12.5171 | 0.2133 | 0.2394 | 10 | -2.89 | 2% | 0 |
| 002.01 | Protein, Auto Kjel-Foss | 350 | 12.3570 | 0.0420 | 12.5171 | 0.2133 | 0.2394 | 10 | -0.75 | 1% | 0 |
| 002.01 | Protein, Auto Kjel-Foss | 62 | 12.3620 | 0.6220 | 12.5171 | 0.2133 | 0.2394 | 10 | -0.73 | 1% | 0 |
| 002.01 | Protein, Auto Kjel-Foss | 723 | 12.4550 | 0.0500 | 12.5171 | 0.2133 | 0.2394 | 10 | -0.29 | 0% | 0 |
| 002.01 | Protein, Auto Kjel-Foss | 848 | 12.4850 | 0.0700 | 12.5171 | 0.2133 | 0.2394 | 10 | -0.15 | 0% | 0 |
| 002.01 | Protein, Auto Kjel-Foss | 653 | 12.5100 | 0.0400 | 12.5171 | 0.2133 | 0.2394 | 10 | -0.03 | 0% | 0 |
| 002.01 | Protein, Auto Kjel-Foss | 860 | 12.6000 | 0.1000 | 12.5171 | 0.2133 | 0.2394 | 10 | 0.39 | 0% | 0 |
| 002.01 | Protein, Auto Kjel-Foss | 652 | 12.6500 | 0.1000 | 12.5171 | 0.2133 | 0.2394 | 10 | 0.62 | 1% | 0 |
| 002.01 | Protein, Auto Kjel-Foss | 98 | 12.7500 | 0.3000 | 12.5171 | 0.2133 | 0.2394 | 10 | 1.09 | 1% | 0 |
| 002.01 | Protein, Auto Kjel-Foss | 43 | 12.9950 | 0.8700 | 12.5171 | 0.2133 | 0.2394 | 10 | 2.24 | 2% | 0 |
| 002.01 | Protein, Auto Kjel-Foss | 718 | 13.1850 | 1.9500 | 12.5171 | 0.2133 | 0.2394 | 10 | 3.13 | 3% | 1 |
| 002.01 | Protein, Auto Kjel-Foss | 883 | 22.9450 | 0.0300 | 12.5171 | 0.2133 | 0.2394 | 10 | 48.89 | 42% | 2 |
| 002.02 | Protein, Semiauto Autoanalyzer | 42 | 11.7450 | 0.2100 | 12.6182 | 0.3921 | 0.1402 | 7 | -2.23 | 3% | 0 |
| 002.02 | Protein, Semiauto Autoanalyzer | 36 | 12.3328 | 0.0614 | 12.6182 | 0.3921 | 0.1402 | 7 | -0.73 | 1% | 0 |
| 002.02 | Protein, Semiauto Autoanalyzer | 169 | 12.4350 | 0.0700 | 12.6182 | 0.3921 | 0.1402 | 7 | -0.47 | 1% | 0 |
| 002.02 | Protein, Semiauto Autoanalyzer | 685 | 12.6800 | 0.0800 | 12.6182 | 0.3921 | 0.1402 | 7 | 0.16 | 0% | 0 |
| 002.02 | Protein, Semiauto Autoanalyzer | 43 | 12.8550 | 0.2300 | 12.6182 | 0.3921 | 0.1402 | 7 | 0.60 | 1% | 0 |
| 002.02 | Protein, Semiauto Autoanalyzer | 152 | 12.9500 | 0.1000 | 12.6182 | 0.3921 | 0.1402 | 7 | 0.85 | 1% | 0 |
| 002.02 | Protein, Semiauto Autoanalyzer | 669 | 12.9950 | 0.2300 | 12.6182 | 0.3921 | 0.1402 | 7 | 0.96 | 1% | 0 |
| 002.04 | Protein, Copper Cat | 208 | 12.2000 | 0.2000 | 12.5354 | 0.3482 | 0.1575 | 8 | -0.96 | 1% | 0 |
| 002.04 | Protein, Copper Cat | 876 | 12.2550 | 0.3300 | 12.5354 | 0.3482 | 0.1575 | 8 | -0.81 | 1% | 0 |
| 002.04 | Protein, Copper Cat | 405 | 12.2800 | 0.0000 | 12.5354 | 0.3482 | 0.1575 | 8 | -0.73 | 1% | 0 |
| 002.04 | Protein, Copper Cat | 728 | 12.4250 | 0.2900 | 12.5354 | 0.3482 | 0.1575 | 8 | -0.32 | 0% | 0 |
| 002.04 | Protein, Copper Cat | 588 | 12.4450 | 0.0100 | 12.5354 | 0.3482 | 0.1575 | 8 | -0.26 | 0% | 0 |
| 002.04 | Protein, Copper Cat | 868 | 12.8850 | 0.0300 | 12.5354 | 0.3482 | 0.1575 | 8 | 1.00 | 1% | 0 |
| 002.04 | Protein, Copper Cat | 874 | 13.0200 | 0.3000 | 12.5354 | 0.3482 | 0.1575 | 8 | 1.39 | 2% | 0 |
| 002.04 | Protein, Copper Cat | 187 | 14.2300 | 0.1000 | 12.5354 | 0.3482 | 0.1575 | 8 | 4.87 | 7% | 0 |
| 002.05 | Protein, Copper, Boric Acid | 877 | 11.8500 | 0.0000 | 12.6412 | 0.3352 | 0.1482 | 24 | -2.36 | 3% | 0 |
| 002.05 | Protein, Copper, Boric Acid | 536 | 12.0350 | 0.1700 | 12.6412 | 0.3352 | 0.1482 | 24 | -1.81 | 2% | 0 |
| 002.05 | Protein, Copper, Boric Acid | 179 | 12.1850 | 0.1100 | 12.6412 | 0.3352 | 0.1482 | 24 | -1.36 | 2% | 0 |
| 002.05 | Protein, Copper, Boric Acid | 623 | 12.3170 | 0.3309 | 12.6412 | 0.3352 | 0.1482 | 24 | -0.97 | 1% | 0 |
| 002.05 | Protein, Copper, Boric Acid | 591 | 12.3750 | 0.1500 | 12.6412 | 0.3352 | 0.1482 | 24 | -0.79 | 1% | 0 |
| 002.05 | Protein, Copper, Boric Acid | 620 | 12.4146 | 0.1380 | 12.6412 | 0.3352 | 0.1482 | 24 | -0.68 | 1% | 0 |

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|-------------|--------------------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 002.05 | Protein, Copper, Boric Acid | 878 | 12.4500 | 0.1000 | 12.6412 | 0.3352 | 0.1482 | 24 | -0.57 | 1% | 0 |
| 002.05 | Protein, Copper, Boric Acid | 552 | 12.4600 | 0.0200 | 12.6412 | 0.3352 | 0.1482 | 24 | -0.54 | 1% | 0 |
| 002.05 | Protein, Copper, Boric Acid | 852 | 12.4750 | 0.0900 | 12.6412 | 0.3352 | 0.1482 | 24 | -0.50 | 1% | 0 |
| 002.05 | Protein, Copper, Boric Acid | 622 | 12.5802 | 0.0584 | 12.6412 | 0.3352 | 0.1482 | 24 | -0.18 | 0% | 0 |
| 002.05 | Protein, Copper, Boric Acid | 665 | 12.5850 | 0.0700 | 12.6412 | 0.3352 | 0.1482 | 24 | -0.17 | 0% | 0 |
| 002.05 | Protein, Copper, Boric Acid | 689 | 12.6000 | 0.2000 | 12.6412 | 0.3352 | 0.1482 | 24 | -0.12 | 0% | 0 |
| 002.05 | Protein, Copper, Boric Acid | 354 | 12.6750 | 0.1500 | 12.6412 | 0.3352 | 0.1482 | 24 | 0.10 | 0% | 0 |
| 002.05 | Protein, Copper, Boric Acid | 674 | 12.6950 | 0.0100 | 12.6412 | 0.3352 | 0.1482 | 24 | 0.16 | 0% | 0 |
| 002.05 | Protein, Copper, Boric Acid | 83 | 12.7000 | 0.3000 | 12.6412 | 0.3352 | 0.1482 | 24 | 0.18 | 0% | 0 |
| 002.05 | Protein, Copper, Boric Acid | 39 | 12.7080 | 0.0440 | 12.6412 | 0.3352 | 0.1482 | 24 | 0.20 | 0% | 0 |
| 002.05 | Protein, Copper, Boric Acid | 722 | 12.7630 | 0.0400 | 12.6412 | 0.3352 | 0.1482 | 24 | 0.36 | 0% | 0 |
| 002.05 | Protein, Copper, Boric Acid | 871 | 12.7900 | 0.0200 | 12.6412 | 0.3352 | 0.1482 | 24 | 0.44 | 1% | 0 |
| 002.05 | Protein, Copper, Boric Acid | 870 | 12.8925 | 0.2350 | 12.6412 | 0.3352 | 0.1482 | 24 | 0.75 | 1% | 0 |
| 002.05 | Protein, Copper, Boric Acid | 305 | 13.0250 | 0.3100 | 12.6412 | 0.3352 | 0.1482 | 24 | 1.14 | 2% | 0 |
| 002.05 | Protein, Copper, Boric Acid | 656 | 13.0550 | 0.3900 | 12.6412 | 0.3352 | 0.1482 | 24 | 1.23 | 2% | 0 |
| 002.05 | Protein, Copper, Boric Acid | 849 | 13.1550 | 0.2900 | 12.6412 | 0.3352 | 0.1482 | 24 | 1.53 | 2% | 0 |
| 002.05 | Protein, Copper, Boric Acid | 194 | 13.2150 | 0.0300 | 12.6412 | 0.3352 | 0.1482 | 24 | 1.71 | 2% | 0 |
| 002.05 | Protein, Copper, Boric Acid | 596 | 13.3500 | 0.3000 | 12.6412 | 0.3352 | 0.1482 | 24 | 2.11 | 3% | 0 |
| 002.05 | Protein, Copper, Boric Acid | 178 | 12.5000 | 0.8000 | 12.6412 | 0.3352 | 0.1482 | 24 | -0.42 | 1% | 1 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 19 | 10.6100 | 0.3600 | 12.7658 | 0.5405 | 0.2922 | 124 | -3.99 | 8% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 682 | 11.2700 | 0.4800 | 12.7658 | 0.5405 | 0.2922 | 124 | -2.77 | 6% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 589 | 11.8000 | 0.0000 | 12.7658 | 0.5405 | 0.2922 | 124 | -1.79 | 4% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 300 | 11.8435 | 0.0310 | 12.7658 | 0.5405 | 0.2922 | 124 | -1.71 | 4% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 4 | 11.8850 | 0.0100 | 12.7658 | 0.5405 | 0.2922 | 124 | -1.63 | 3% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 297 | 11.9500 | 0.2200 | 12.7658 | 0.5405 | 0.2922 | 124 | -1.51 | 3% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 294 | 11.9650 | 0.0300 | 12.7658 | 0.5405 | 0.2922 | 124 | -1.48 | 3% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 541 | 11.9700 | 0.9400 | 12.7658 | 0.5405 | 0.2922 | 124 | -1.47 | 3% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 647 | 11.9850 | 0.1700 | 12.7658 | 0.5405 | 0.2922 | 124 | -1.44 | 3% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 38 | 12.0000 | 0.1000 | 12.7658 | 0.5405 | 0.2922 | 124 | -1.42 | 3% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 882 | 12.0495 | 1.1750 | 12.7658 | 0.5405 | 0.2922 | 124 | -1.33 | 3% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 242 | 12.0600 | 0.5000 | 12.7658 | 0.5405 | 0.2922 | 124 | -1.31 | 3% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 539 | 12.0650 | 0.9300 | 12.7658 | 0.5405 | 0.2922 | 124 | -1.30 | 3% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 508 | 12.1210 | 0.7560 | 12.7658 | 0.5405 | 0.2922 | 124 | -1.19 | 3% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 74 | 12.1300 | 0.1400 | 12.7658 | 0.5405 | 0.2922 | 124 | -1.18 | 2% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 42 | 12.1350 | 0.1500 | 12.7658 | 0.5405 | 0.2922 | 124 | -1.17 | 2% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 859 | 12.1900 | 0.0480 | 12.7658 | 0.5405 | 0.2922 | 124 | -1.07 | 2% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 553 | 12.2445 | 0.4290 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.96 | 2% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 43 | 12.2500 | 0.1600 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.95 | 2% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 45 | 12.2500 | 0.3000 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.95 | 2% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 100 | 12.2550 | 0.7500 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.95 | 2% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 144 | 12.3050 | 0.1100 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.85 | 2% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 106 | 12.3100 | 0.0800 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.84 | 2% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|--------------------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 002.06 | Protein, Combustion Nitrogen Analyze | 780 | 12.3300 | 0.3400 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.81 | 2% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 121 | 12.3465 | 0.1910 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.78 | 2% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 164 | 12.3500 | 0.0200 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.77 | 2% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 720 | 12.3500 | 0.0600 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.77 | 2% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 9 | 12.3650 | 0.0100 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.74 | 2% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 26 | 12.3750 | 0.2100 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.72 | 2% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 37 | 12.3800 | 0.0800 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.71 | 2% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 11 | 12.3950 | 1.0100 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.69 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 559 | 12.4100 | 0.8800 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.66 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 868 | 12.4100 | 0.0800 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.66 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 670 | 12.4250 | 0.1100 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.63 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 353 | 12.4500 | 0.5000 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.58 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 108 | 12.4800 | 0.8800 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.53 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 650 | 12.4800 | 0.1600 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.53 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 366 | 12.5000 | 0.2000 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.49 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 590 | 12.5000 | 0.8000 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.49 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 35 | 12.5200 | 0.1600 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.45 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 229 | 12.5200 | 0.1400 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.45 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 298 | 12.5200 | 0.0200 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.45 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 783 | 12.5500 | 0.0400 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.40 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 36 | 12.5550 | 0.0100 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.39 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 202 | 12.5950 | 0.8300 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.32 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 190 | 12.6200 | 0.0800 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.27 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 148 | 12.6250 | 0.2100 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.26 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 205 | 12.6250 | 0.4500 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.26 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 743 | 12.6250 | 0.0700 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.26 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 695 | 12.6400 | 0.2800 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.23 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 686 | 12.6450 | 0.1300 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.22 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 610 | 12.6500 | 0.7000 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.21 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 821 | 12.6500 | 0.6200 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.21 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 857 | 12.6550 | 0.8900 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.21 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 357 | 12.6600 | 0.0600 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.20 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 358 | 12.6600 | 0.3600 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.20 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 763 | 12.6700 | 0.1600 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.18 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 47 | 12.6700 | 0.5800 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.18 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 712 | 12.6750 | 0.0700 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.17 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 726 | 12.6795 | 0.0130 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.16 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 65 | 12.6820 | 0.0360 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.16 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 692 | 12.7000 | 0.2000 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.12 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 142 | 12.7500 | 0.3000 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.03 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 175 | 12.7500 | 0.3000 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.03 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 417 | 12.7500 | 0.3000 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.03 | 0% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|--------------------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 002.06 | Protein, Combustion Nitrogen Analyze | 673 | 12.7500 | 0.1000 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.03 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 809 | 12.7600 | 0.5400 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.01 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 674 | 12.7700 | 0.1800 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.01 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 354 | 12.8000 | 0.3200 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.06 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 609 | 12.8050 | 0.7500 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.07 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 89 | 12.8300 | 0.0000 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.12 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 529 | 12.8450 | 0.0500 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.15 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 801 | 12.8450 | 0.3900 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.15 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 29 | 12.8650 | 0.1300 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.18 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 27 | 12.8700 | 0.0400 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.19 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 770 | 12.8900 | 0.0200 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.23 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 226 | 12.9000 | 0.6000 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.25 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 571 | 12.9360 | 0.0960 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.31 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 781 | 12.9450 | 0.3300 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.33 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 171 | 12.9500 | 0.3000 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.34 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 619 | 12.9500 | 0.1000 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.34 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 880 | 12.9500 | 0.5000 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.34 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 34 | 12.9550 | 0.0700 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.35 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 812 | 12.9650 | 0.0700 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.37 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 825 | 13.0000 | 0.0000 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.43 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 505 | 13.0050 | 0.1100 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.44 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 843 | 13.0150 | 1.1100 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.46 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 853 | 13.0500 | 0.3000 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.53 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 574 | 13.1000 | 0.8000 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.62 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 738 | 13.1000 | 0.0200 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.62 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 733 | 13.1100 | 0.2400 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.64 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 615 | 13.1200 | 0.4600 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.66 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 546 | 13.1240 | 1.1180 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.66 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 160 | 13.1480 | 0.1840 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.71 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 199 | 13.1500 | 0.2800 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.71 | 2% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 872 | 13.2170 | 0.2640 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.83 | 2% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 504 | 13.2300 | 0.2200 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.86 | 2% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 618 | 13.2650 | 0.0500 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.92 | 2% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 752 | 13.2800 | 0.1400 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.95 | 2% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 520 | 13.2850 | 0.1500 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.96 | 2% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 660 | 13.2950 | 0.0700 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.98 | 2% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 630 | 13.3200 | 0.0600 | 12.7658 | 0.5405 | 0.2922 | 124 | 1.03 | 2% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 233 | 13.3300 | 0.2400 | 12.7658 | 0.5405 | 0.2922 | 124 | 1.04 | 2% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 676 | 13.3405 | 0.6310 | 12.7658 | 0.5405 | 0.2922 | 124 | 1.06 | 2% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 345 | 13.3500 | 0.1000 | 12.7658 | 0.5405 | 0.2922 | 124 | 1.08 | 2% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 413 | 13.3500 | 0.1000 | 12.7658 | 0.5405 | 0.2922 | 124 | 1.08 | 2% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 21 | 13.3550 | 0.0500 | 12.7658 | 0.5405 | 0.2922 | 124 | 1.09 | 2% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|--------------------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 002.06 | Protein, Combustion Nitrogen Analyze | 407 | 13.3600 | 0.0200 | 12.7658 | 0.5405 | 0.2922 | 124 | 1.10 | 2% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 598 | 13.3750 | 0.0500 | 12.7658 | 0.5405 | 0.2922 | 124 | 1.13 | 2% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 511 | 13.3850 | 0.2900 | 12.7658 | 0.5405 | 0.2922 | 124 | 1.15 | 2% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 8 | 13.4000 | 0.1600 | 12.7658 | 0.5405 | 0.2922 | 124 | 1.17 | 2% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 6 | 13.4780 | 0.2320 | 12.7658 | 0.5405 | 0.2922 | 124 | 1.32 | 3% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 510 | 13.5000 | 0.2000 | 12.7658 | 0.5405 | 0.2922 | 124 | 1.36 | 3% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 425 | 13.5450 | 0.0300 | 12.7658 | 0.5405 | 0.2922 | 124 | 1.44 | 3% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 550 | 13.5700 | 0.1400 | 12.7658 | 0.5405 | 0.2922 | 124 | 1.49 | 3% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 33 | 13.5750 | 0.6500 | 12.7658 | 0.5405 | 0.2922 | 124 | 1.50 | 3% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 626 | 13.5840 | 0.6500 | 12.7658 | 0.5405 | 0.2922 | 124 | 1.51 | 3% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 786 | 13.7100 | 0.5200 | 12.7658 | 0.5405 | 0.2922 | 124 | 1.75 | 4% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 833 | 13.7100 | 0.4600 | 12.7658 | 0.5405 | 0.2922 | 124 | 1.75 | 4% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 3 | 13.7300 | 0.0800 | 12.7658 | 0.5405 | 0.2922 | 124 | 1.78 | 4% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 263 | 13.8353 | 0.1894 | 12.7658 | 0.5405 | 0.2922 | 124 | 1.98 | 4% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 265 | 13.9000 | 0.4000 | 12.7658 | 0.5405 | 0.2922 | 124 | 2.10 | 4% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 1 | 13.9650 | 0.1700 | 12.7658 | 0.5405 | 0.2922 | 124 | 2.22 | 5% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 98 | 14.1500 | 0.3000 | 12.7658 | 0.5405 | 0.2922 | 124 | 2.56 | 5% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 830 | 13.1600 | 1.2400 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.73 | 2% | 1 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 803 | 11.9050 | 0.6500 | 12.7658 | 0.5405 | 0.2922 | 124 | -1.59 | 3% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 745 | 12.0400 | 0.1800 | 12.7658 | 0.5405 | 0.2922 | 124 | -1.34 | 3% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 742 | 12.0700 | 0.0800 | 12.7658 | 0.5405 | 0.2922 | 124 | -1.29 | 3% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 805 | 12.1450 | 0.7300 | 12.7658 | 0.5405 | 0.2922 | 124 | -1.15 | 2% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 797 | 12.1600 | 1.2000 | 12.7658 | 0.5405 | 0.2922 | 124 | -1.12 | 2% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 814 | 12.2000 | 0.2000 | 12.7658 | 0.5405 | 0.2922 | 124 | -1.05 | 2% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 774 | 12.3400 | 0.0400 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.79 | 2% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 740 | 12.3450 | 0.1500 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.78 | 2% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 778 | 12.4000 | 0.0600 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.68 | 1% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 775 | 12.4050 | 0.5500 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.67 | 1% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 776 | 12.4300 | 0.1400 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.62 | 1% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 807 | 12.4700 | 0.1000 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.55 | 1% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 751 | 12.4850 | 0.1100 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.52 | 1% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 792 | 12.4950 | 1.0100 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.50 | 1% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 798 | 12.4950 | 0.3900 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.50 | 1% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 818 | 12.5000 | 0.4000 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.49 | 1% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 835 | 12.6200 | 0.0600 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.27 | 1% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 744 | 12.6400 | 0.1000 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.23 | 0% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 785 | 12.6450 | 0.1500 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.22 | 0% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 784 | 12.7000 | 0.1400 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.12 | 0% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 741 | 12.7250 | 0.6100 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.08 | 0% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 794 | 12.7250 | 0.1500 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.08 | 0% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 782 | 12.7500 | 0.0400 | 12.7658 | 0.5405 | 0.2922 | 124 | -0.03 | 0% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 761 | 12.7850 | 0.3900 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.04 | 0% | 8 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|--------------------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 002.06 | Protein, Combustion Nitrogen Analyze | 739 | 12.8100 | 0.2800 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.08 | 0% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 762 | 12.8100 | 0.3400 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.08 | 0% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 747 | 12.8500 | 0.3000 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.16 | 0% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 789 | 12.8500 | 0.3400 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.16 | 0% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 823 | 12.8500 | 0.1000 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.16 | 0% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 813 | 12.8600 | 0.0600 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.17 | 0% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 806 | 12.8650 | 0.3300 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.18 | 0% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 767 | 12.8750 | 0.1100 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.20 | 0% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 819 | 12.8850 | 0.2300 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.22 | 0% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 808 | 12.9000 | 0.4000 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.25 | 1% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 746 | 12.9100 | 0.0200 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.27 | 1% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 822 | 12.9200 | 0.1200 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.29 | 1% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 748 | 12.9250 | 0.0700 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.29 | 1% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 824 | 12.9500 | 0.1000 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.34 | 1% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 772 | 12.9650 | 0.0700 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.37 | 1% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 769 | 12.9900 | 0.0200 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.41 | 1% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 771 | 13.0200 | 0.1600 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.47 | 1% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 815 | 13.0250 | 0.1700 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.48 | 1% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 736 | 13.0250 | 0.2100 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.48 | 1% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 828 | 13.0400 | 0.0600 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.51 | 1% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 732 | 13.0450 | 0.0300 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.52 | 1% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 829 | 13.0550 | 0.0100 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.54 | 1% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 790 | 13.0850 | 0.0300 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.59 | 1% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 804 | 13.0900 | 0.1800 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.60 | 1% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 816 | 13.1000 | 0.2000 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.62 | 1% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 817 | 13.1000 | 0.1200 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.62 | 1% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 800 | 13.1000 | 0.2400 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.62 | 1% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 765 | 13.1050 | 0.0500 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.63 | 1% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 834 | 13.1150 | 0.0100 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.65 | 1% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 754 | 13.1200 | 0.1600 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.66 | 1% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 788 | 13.1260 | 0.1580 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.67 | 1% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 759 | 13.1450 | 0.0700 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.70 | 1% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 811 | 13.1700 | 0.0000 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.75 | 2% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 787 | 13.2150 | 0.9700 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.83 | 2% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 737 | 13.2750 | 0.0500 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.94 | 2% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 753 | 13.2850 | 0.2700 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.96 | 2% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 755 | 13.2900 | 0.7200 | 12.7658 | 0.5405 | 0.2922 | 124 | 0.97 | 2% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 749 | 13.3050 | 0.1900 | 12.7658 | 0.5405 | 0.2922 | 124 | 1.00 | 2% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 777 | 13.3450 | 0.7700 | 12.7658 | 0.5405 | 0.2922 | 124 | 1.07 | 2% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 796 | 13.4000 | 0.6600 | 12.7658 | 0.5405 | 0.2922 | 124 | 1.17 | 2% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 756 | 13.4500 | 0.1000 | 12.7658 | 0.5405 | 0.2922 | 124 | 1.27 | 3% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 758 | 13.5500 | 0.1400 | 12.7658 | 0.5405 | 0.2922 | 124 | 1.45 | 3% | 8 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|--------------------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 002.06 | Protein, Combustion Nitrogen Analyze | 760 | 13.6050 | 0.2300 | 12.7658 | 0.5405 | 0.2922 | 124 | 1.55 | 3% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 734 | 13.6350 | 0.2100 | 12.7658 | 0.5405 | 0.2922 | 124 | 1.61 | 3% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 750 | 13.6600 | 0.1600 | 12.7658 | 0.5405 | 0.2922 | 124 | 1.65 | 4% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 757 | 13.8250 | 0.0500 | 12.7658 | 0.5405 | 0.2922 | 124 | 1.96 | 4% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 735 | 13.9350 | 0.2500 | 12.7658 | 0.5405 | 0.2922 | 124 | 2.16 | 5% | 8 |
| 002.06 | Protein, Combustion Nitrogen Analyze | 810 | 14.0200 | 0.1000 | 12.7658 | 0.5405 | 0.2922 | 124 | 2.32 | 5% | 8 |
| 002.08 | Protein, Cu/Ti | 610 | 12.4500 | 0.3000 | 12.5950 | 0.2051 | 0.4800 | 2 | -0.71 | 1% | 0 |
| 002.08 | Protein, Cu/Ti | 309 | 12.7400 | 0.6600 | 12.5950 | 0.2051 | 0.4800 | 2 | 0.71 | 1% | 0 |
| 002.10 | Protein, Block dig/distillation | 613 | 12.5850 | 0.1700 | 12.6746 | 0.0852 | 0.2105 | 10 | -1.05 | 0% | 0 |
| 002.10 | Protein, Block dig/distillation | 631 | 12.5900 | 0.3400 | 12.6746 | 0.0852 | 0.2105 | 10 | -0.99 | 0% | 0 |
| 002.10 | Protein, Block dig/distillation | 861 | 12.6250 | 0.1900 | 12.6746 | 0.0852 | 0.2105 | 10 | -0.58 | 0% | 0 |
| 002.10 | Protein, Block dig/distillation | 160 | 12.6300 | 0.0500 | 12.6746 | 0.0852 | 0.2105 | 10 | -0.52 | 0% | 0 |
| 002.10 | Protein, Block dig/distillation | 546 | 12.6495 | 0.2751 | 12.6746 | 0.0852 | 0.2105 | 10 | -0.29 | 0% | 0 |
| 002.10 | Protein, Block dig/distillation | 619 | 12.6500 | 0.3000 | 12.6746 | 0.0852 | 0.2105 | 10 | -0.29 | 0% | 0 |
| 002.10 | Protein, Block dig/distillation | 675 | 12.7150 | 0.0700 | 12.6746 | 0.0852 | 0.2105 | 10 | 0.47 | 0% | 0 |
| 002.10 | Protein, Block dig/distillation | 731 | 12.7250 | 0.0500 | 12.6746 | 0.0852 | 0.2105 | 10 | 0.59 | 0% | 0 |
| 002.10 | Protein, Block dig/distillation | 629 | 12.8150 | 0.0700 | 12.6746 | 0.0852 | 0.2105 | 10 | 1.65 | 1% | 0 |
| 002.10 | Protein, Block dig/distillation | 727 | 13.7050 | 0.5900 | 12.6746 | 0.0852 | 0.2105 | 10 | 12.09 | 4% | 0 |
| 002.11 | Protein, NIR | 731 | 10.5100 | 0.1000 | 11.6528 | 0.5177 | 0.2764 | 8 | -2.21 | 5% | 0 |
| 002.11 | Protein, NIR | 631 | 11.4000 | 0.6800 | 11.6528 | 0.5177 | 0.2764 | 8 | -0.49 | 1% | 0 |
| 002.11 | Protein, NIR | 588 | 11.4700 | 0.0400 | 11.6528 | 0.5177 | 0.2764 | 8 | -0.35 | 1% | 0 |
| 002.11 | Protein, NIR | 720 | 11.5150 | 0.1300 | 11.6528 | 0.5177 | 0.2764 | 8 | -0.27 | 1% | 0 |
| 002.11 | Protein, NIR | 11 | 11.5500 | 0.1000 | 11.6528 | 0.5177 | 0.2764 | 8 | -0.20 | 0% | 0 |
| 002.11 | Protein, NIR | 713 | 12.0600 | 0.0000 | 11.6528 | 0.5177 | 0.2764 | 8 | 0.79 | 2% | 0 |
| 002.11 | Protein, NIR | 727 | 12.0845 | 0.6610 | 11.6528 | 0.5177 | 0.2764 | 8 | 0.83 | 2% | 0 |
| 002.11 | Protein, NIR | 178 | 13.7500 | 0.5000 | 11.6528 | 0.5177 | 0.2764 | 8 | 4.05 | 9% | 0 |
| 002.99 | Protein, Miscellaneous | 643 | 13.1050 | 0.1300 | 13.2575 | 0.2157 | 0.1850 | 2 | -0.71 | 1% | 0 |
| 002.99 | Protein, Miscellaneous | 681 | 13.4100 | 0.2400 | 13.2575 | 0.2157 | 0.1850 | 2 | 0.71 | 1% | 0 |
| 003.00 | Fat, Eth Ext., Direct | 142 | 1.4000 | 0.0000 | 2.6770 | 0.1820 | 0.0941 | 21 | -7.01 | 24% | 0 |
| 003.00 | Fat, Eth Ext., Direct | 876 | 1.9300 | 0.0200 | 2.6770 | 0.1820 | 0.0941 | 21 | -4.10 | 14% | 0 |
| 003.00 | Fat, Eth Ext., Direct | 300 | 2.3425 | 0.2990 | 2.6770 | 0.1820 | 0.0941 | 21 | -1.84 | 6% | 0 |
| 003.00 | Fat, Eth Ext., Direct | 345 | 2.4250 | 0.0500 | 2.6770 | 0.1820 | 0.0941 | 21 | -1.38 | 5% | 0 |
| 003.00 | Fat, Eth Ext., Direct | 26 | 2.5050 | 0.0300 | 2.6770 | 0.1820 | 0.0941 | 21 | -0.94 | 3% | 0 |
| 003.00 | Fat, Eth Ext., Direct | 194 | 2.5650 | 0.0300 | 2.6770 | 0.1820 | 0.0941 | 21 | -0.62 | 2% | 0 |
| 003.00 | Fat, Eth Ext., Direct | 175 | 2.5850 | 0.0500 | 2.6770 | 0.1820 | 0.0941 | 21 | -0.51 | 2% | 0 |
| 003.00 | Fat, Eth Ext., Direct | 309 | 2.6300 | 0.2400 | 2.6770 | 0.1820 | 0.0941 | 21 | -0.26 | 1% | 0 |
| 003.00 | Fat, Eth Ext., Direct | 297 | 2.6500 | 0.1000 | 2.6770 | 0.1820 | 0.0941 | 21 | -0.15 | 1% | 0 |
| 003.00 | Fat, Eth Ext., Direct | 15 | 2.6650 | 0.2300 | 2.6770 | 0.1820 | 0.0941 | 21 | -0.07 | 0% | 0 |
| 003.00 | Fat, Eth Ext., Direct | 615 | 2.6950 | 0.1500 | 2.6770 | 0.1820 | 0.0941 | 21 | 0.10 | 0% | 0 |
| 003.00 | Fat, Eth Ext., Direct | 106 | 2.7000 | 0.1000 | 2.6770 | 0.1820 | 0.0941 | 21 | 0.13 | 0% | 0 |
| 003.00 | Fat, Eth Ext., Direct | 39 | 2.7330 | 0.0080 | 2.6770 | 0.1820 | 0.0941 | 21 | 0.31 | 1% | 0 |
| 003.00 | Fat, Eth Ext., Direct | 179 | 2.7450 | 0.0300 | 2.6770 | 0.1820 | 0.0941 | 21 | 0.37 | 1% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|---------------------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 003.00 | Fat, Eth Ext., Direct | 722 | 2.7532 | 0.2690 | 2.6770 | 0.1820 | 0.0941 | 21 | 0.42 | 1% | 0 |
| 003.00 | Fat, Eth Ext., Direct | 164 | 2.7750 | 0.0300 | 2.6770 | 0.1820 | 0.0941 | 21 | 0.54 | 2% | 0 |
| 003.00 | Fat, Eth Ext., Direct | 354 | 2.7850 | 0.0100 | 2.6770 | 0.1820 | 0.0941 | 21 | 0.59 | 2% | 0 |
| 003.00 | Fat, Eth Ext., Direct | 848 | 2.8300 | 0.0600 | 2.6770 | 0.1820 | 0.0941 | 21 | 0.84 | 3% | 0 |
| 003.00 | Fat, Eth Ext., Direct | 65 | 2.9250 | 0.1200 | 2.6770 | 0.1820 | 0.0941 | 21 | 1.36 | 5% | 0 |
| 003.00 | Fat, Eth Ext., Direct | 35 | 2.9350 | 0.0300 | 2.6770 | 0.1820 | 0.0941 | 21 | 1.42 | 5% | 0 |
| 003.00 | Fat, Eth Ext., Direct | 883 | 3.9200 | 0.1200 | 2.6770 | 0.1820 | 0.0941 | 21 | 6.83 | 23% | 0 |
| 003.01 | Fat, Ind Eth Ext (13th ed.), Indirect | 504 | 2.9000 | 1.7600 | | | 1.7600 | 1 | | | |
| 003.06 | Fat, Pet Ether | 861 | 2.0000 | 0.0600 | 2.4913 | 0.2361 | 0.0853 | 23 | -2.08 | 10% | 0 |
| 003.06 | Fat, Pet Ether | 647 | 2.1400 | 0.0800 | 2.4913 | 0.2361 | 0.0853 | 23 | -1.49 | 7% | 0 |
| 003.06 | Fat, Pet Ether | 294 | 2.1950 | 0.0100 | 2.4913 | 0.2361 | 0.0853 | 23 | -1.25 | 6% | 0 |
| 003.06 | Fat, Pet Ether | 689 | 2.2500 | 0.1000 | 2.4913 | 0.2361 | 0.0853 | 23 | -1.02 | 5% | 0 |
| 003.06 | Fat, Pet Ether | 849 | 2.2550 | 0.0100 | 2.4913 | 0.2361 | 0.0853 | 23 | -1.00 | 5% | 0 |
| 003.06 | Fat, Pet Ether | 425 | 2.3300 | 0.0200 | 2.4913 | 0.2361 | 0.0853 | 23 | -0.68 | 3% | 0 |
| 003.06 | Fat, Pet Ether | 169 | 2.3950 | 0.0300 | 2.4913 | 0.2361 | 0.0853 | 23 | -0.41 | 2% | 0 |
| 003.06 | Fat, Pet Ether | 731 | 2.3950 | 0.0700 | 2.4913 | 0.2361 | 0.0853 | 23 | -0.41 | 2% | 0 |
| 003.06 | Fat, Pet Ether | 552 | 2.4150 | 0.2300 | 2.4913 | 0.2361 | 0.0853 | 23 | -0.32 | 2% | 0 |
| 003.06 | Fat, Pet Ether | 669 | 2.4450 | 0.0500 | 2.4913 | 0.2361 | 0.0853 | 23 | -0.20 | 1% | 0 |
| 003.06 | Fat, Pet Ether | 9 | 2.4700 | 0.0800 | 2.4913 | 0.2361 | 0.0853 | 23 | -0.09 | 0% | 0 |
| 003.06 | Fat, Pet Ether | 199 | 2.4800 | 0.0200 | 2.4913 | 0.2361 | 0.0853 | 23 | -0.05 | 0% | 0 |
| 003.06 | Fat, Pet Ether | 511 | 2.4900 | 0.0800 | 2.4913 | 0.2361 | 0.0853 | 23 | -0.01 | 0% | 0 |
| 003.06 | Fat, Pet Ether | 148 | 2.5600 | 0.0600 | 2.4913 | 0.2361 | 0.0853 | 23 | 0.29 | 1% | 0 |
| 003.06 | Fat, Pet Ether | 74 | 2.5950 | 0.1900 | 2.4913 | 0.2361 | 0.0853 | 23 | 0.44 | 2% | 0 |
| 003.06 | Fat, Pet Ether | 852 | 2.6000 | 0.3000 | 2.4913 | 0.2361 | 0.0853 | 23 | 0.46 | 2% | 0 |
| 003.06 | Fat, Pet Ether | 588 | 2.6200 | 0.0000 | 2.4913 | 0.2361 | 0.0853 | 23 | 0.54 | 3% | 0 |
| 003.06 | Fat, Pet Ether | 3 | 2.6250 | 0.0500 | 2.4913 | 0.2361 | 0.0853 | 23 | 0.57 | 3% | 0 |
| 003.06 | Fat, Pet Ether | 682 | 2.6550 | 0.0700 | 2.4913 | 0.2361 | 0.0853 | 23 | 0.69 | 3% | 0 |
| 003.06 | Fat, Pet Ether | 870 | 2.8338 | 0.1915 | 2.4913 | 0.2361 | 0.0853 | 23 | 1.45 | 7% | 0 |
| 003.06 | Fat, Pet Ether | 871 | 2.8450 | 0.0100 | 2.4913 | 0.2361 | 0.0853 | 23 | 1.50 | 7% | 0 |
| 003.06 | Fat, Pet Ether | 83 | 3.4550 | 0.1700 | 2.4913 | 0.2361 | 0.0853 | 23 | 4.08 | 19% | 0 |
| 003.06 | Fat, Pet Ether | 665 | 3.7700 | 0.0800 | 2.4913 | 0.2361 | 0.0853 | 23 | 5.42 | 26% | 0 |
| 003.06 | Fat, Pet Ether | 559 | 2.4850 | 0.3900 | 2.4913 | 0.2361 | 0.0853 | 23 | -0.03 | 0% | 1 |
| 003.09 | Fat, Soxtec, Eth Ext | 13 | 1.9600 | 0.0600 | 2.6159 | 0.1622 | 0.0887 | 28 | -4.04 | 13% | 0 |
| 003.09 | Fat, Soxtec, Eth Ext | 1 | 2.2550 | 0.0500 | 2.6159 | 0.1622 | 0.0887 | 28 | -2.22 | 7% | 0 |
| 003.09 | Fat, Soxtec, Eth Ext | 685 | 2.4000 | 0.3600 | 2.6159 | 0.1622 | 0.0887 | 28 | -1.33 | 4% | 0 |
| 003.09 | Fat, Soxtec, Eth Ext | 590 | 2.4400 | 0.0800 | 2.6159 | 0.1622 | 0.0887 | 28 | -1.08 | 3% | 0 |
| 003.09 | Fat, Soxtec, Eth Ext | 860 | 2.4450 | 0.0100 | 2.6159 | 0.1622 | 0.0887 | 28 | -1.05 | 3% | 0 |
| 003.09 | Fat, Soxtec, Eth Ext | 849 | 2.4550 | 0.0700 | 2.6159 | 0.1622 | 0.0887 | 28 | -0.99 | 3% | 0 |
| 003.09 | Fat, Soxtec, Eth Ext | 38 | 2.5050 | 0.0500 | 2.6159 | 0.1622 | 0.0887 | 28 | -0.68 | 2% | 0 |
| 003.09 | Fat, Soxtec, Eth Ext | 354 | 2.5050 | 0.0100 | 2.6159 | 0.1622 | 0.0887 | 28 | -0.68 | 2% | 0 |
| 003.09 | Fat, Soxtec, Eth Ext | 358 | 2.5300 | 0.1800 | 2.6159 | 0.1622 | 0.0887 | 28 | -0.53 | 2% | 0 |
| 003.09 | Fat, Soxtec, Eth Ext | 508 | 2.5468 | 0.1910 | 2.6159 | 0.1622 | 0.0887 | 28 | -0.43 | 1% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|-------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 003.09 | Fat, Soxtec, Eth Ext | 656 | 2.5950 | 0.0700 | 2.6159 | 0.1622 | 0.0887 | 28 | -0.13 | 0% | 0 |
| 003.09 | Fat, Soxtec, Eth Ext | 152 | 2.6000 | 0.0000 | 2.6159 | 0.1622 | 0.0887 | 28 | -0.10 | 0% | 0 |
| 003.09 | Fat, Soxtec, Eth Ext | 510 | 2.6000 | 0.0000 | 2.6159 | 0.1622 | 0.0887 | 28 | -0.10 | 0% | 0 |
| 003.09 | Fat, Soxtec, Eth Ext | 653 | 2.6050 | 0.0100 | 2.6159 | 0.1622 | 0.0887 | 28 | -0.07 | 0% | 0 |
| 003.09 | Fat, Soxtec, Eth Ext | 4 | 2.6100 | 0.1200 | 2.6159 | 0.1622 | 0.0887 | 28 | -0.04 | 0% | 0 |
| 003.09 | Fat, Soxtec, Eth Ext | 505 | 2.6450 | 0.1100 | 2.6159 | 0.1622 | 0.0887 | 28 | 0.18 | 1% | 0 |
| 003.09 | Fat, Soxtec, Eth Ext | 673 | 2.6500 | 0.1000 | 2.6159 | 0.1622 | 0.0887 | 28 | 0.21 | 1% | 0 |
| 003.09 | Fat, Soxtec, Eth Ext | 350 | 2.6790 | 0.0080 | 2.6159 | 0.1622 | 0.0887 | 28 | 0.39 | 1% | 0 |
| 003.09 | Fat, Soxtec, Eth Ext | 674 | 2.6900 | 0.0000 | 2.6159 | 0.1622 | 0.0887 | 28 | 0.46 | 1% | 0 |
| 003.09 | Fat, Soxtec, Eth Ext | 263 | 2.6932 | 0.0025 | 2.6159 | 0.1622 | 0.0887 | 28 | 0.48 | 1% | 0 |
| 003.09 | Fat, Soxtec, Eth Ext | 226 | 2.7000 | 0.2000 | 2.6159 | 0.1622 | 0.0887 | 28 | 0.52 | 2% | 0 |
| 003.09 | Fat, Soxtec, Eth Ext | 27 | 2.7150 | 0.0700 | 2.6159 | 0.1622 | 0.0887 | 28 | 0.61 | 2% | 0 |
| 003.09 | Fat, Soxtec, Eth Ext | 353 | 2.7750 | 0.0900 | 2.6159 | 0.1622 | 0.0887 | 28 | 0.98 | 3% | 0 |
| 003.09 | Fat, Soxtec, Eth Ext | 675 | 2.7900 | 0.0600 | 2.6159 | 0.1622 | 0.0887 | 28 | 1.07 | 3% | 0 |
| 003.09 | Fat, Soxtec, Eth Ext | 121 | 2.8050 | 0.0360 | 2.6159 | 0.1622 | 0.0887 | 28 | 1.17 | 4% | 0 |
| 003.09 | Fat, Soxtec, Eth Ext | 98 | 2.8550 | 0.0100 | 2.6159 | 0.1622 | 0.0887 | 28 | 1.47 | 5% | 0 |
| 003.09 | Fat, Soxtec, Eth Ext | 620 | 2.8821 | 0.3071 | 2.6159 | 0.1622 | 0.0887 | 28 | 1.64 | 5% | 0 |
| 003.09 | Fat, Soxtec, Eth Ext | 723 | 2.8860 | 0.2280 | 2.6159 | 0.1622 | 0.0887 | 28 | 1.66 | 5% | 0 |
| 003.10 | Fat, Soxtec, Pet Ether | 609 | 1.7400 | 0.2800 | 2.4352 | 0.1739 | 0.1399 | 32 | -4.00 | 14% | 0 |
| 003.10 | Fat, Soxtec, Pet Ether | 51 | 1.9300 | 0.5200 | 2.4352 | 0.1739 | 0.1399 | 32 | -2.90 | 10% | 0 |
| 003.10 | Fat, Soxtec, Pet Ether | 868 | 2.2400 | 0.3600 | 2.4352 | 0.1739 | 0.1399 | 32 | -1.12 | 4% | 0 |
| 003.10 | Fat, Soxtec, Pet Ether | 178 | 2.2500 | 0.3000 | 2.4352 | 0.1739 | 0.1399 | 32 | -1.07 | 4% | 0 |
| 003.10 | Fat, Soxtec, Pet Ether | 208 | 2.2700 | 0.4000 | 2.4352 | 0.1739 | 0.1399 | 32 | -0.95 | 3% | 0 |
| 003.10 | Fat, Soxtec, Pet Ether | 878 | 2.2750 | 0.0500 | 2.4352 | 0.1739 | 0.1399 | 32 | -0.92 | 3% | 0 |
| 003.10 | Fat, Soxtec, Pet Ether | 160 | 2.2940 | 0.1240 | 2.4352 | 0.1739 | 0.1399 | 32 | -0.81 | 3% | 0 |
| 003.10 | Fat, Soxtec, Pet Ether | 728 | 2.3000 | 0.0600 | 2.4352 | 0.1739 | 0.1399 | 32 | -0.78 | 3% | 0 |
| 003.10 | Fat, Soxtec, Pet Ether | 629 | 2.3100 | 0.0200 | 2.4352 | 0.1739 | 0.1399 | 32 | -0.72 | 3% | 0 |
| 003.10 | Fat, Soxtec, Pet Ether | 42 | 2.3200 | 0.0600 | 2.4352 | 0.1739 | 0.1399 | 32 | -0.66 | 2% | 0 |
| 003.10 | Fat, Soxtec, Pet Ether | 89 | 2.3500 | 0.0000 | 2.4352 | 0.1739 | 0.1399 | 32 | -0.49 | 2% | 0 |
| 003.10 | Fat, Soxtec, Pet Ether | 305 | 2.3900 | 0.0200 | 2.4352 | 0.1739 | 0.1399 | 32 | -0.26 | 1% | 0 |
| 003.10 | Fat, Soxtec, Pet Ether | 720 | 2.3950 | 0.1900 | 2.4352 | 0.1739 | 0.1399 | 32 | -0.23 | 1% | 0 |
| 003.10 | Fat, Soxtec, Pet Ether | 366 | 2.4000 | 0.0000 | 2.4352 | 0.1739 | 0.1399 | 32 | -0.20 | 1% | 0 |
| 003.10 | Fat, Soxtec, Pet Ether | 619 | 2.4000 | 0.1200 | 2.4352 | 0.1739 | 0.1399 | 32 | -0.20 | 1% | 0 |
| 003.10 | Fat, Soxtec, Pet Ether | 242 | 2.4050 | 0.0500 | 2.4352 | 0.1739 | 0.1399 | 32 | -0.17 | 1% | 0 |
| 003.10 | Fat, Soxtec, Pet Ether | 553 | 2.4150 | 0.2900 | 2.4352 | 0.1739 | 0.1399 | 32 | -0.12 | 0% | 0 |
| 003.10 | Fat, Soxtec, Pet Ether | 298 | 2.4200 | 0.0200 | 2.4352 | 0.1739 | 0.1399 | 32 | -0.09 | 0% | 0 |
| 003.10 | Fat, Soxtec, Pet Ether | 695 | 2.4450 | 0.1300 | 2.4352 | 0.1739 | 0.1399 | 32 | 0.06 | 0% | 0 |
| 003.10 | Fat, Soxtec, Pet Ether | 34 | 2.4900 | 0.0000 | 2.4352 | 0.1739 | 0.1399 | 32 | 0.31 | 1% | 0 |
| 003.10 | Fat, Soxtec, Pet Ether | 623 | 2.5035 | 0.3631 | 2.4352 | 0.1739 | 0.1399 | 32 | 0.39 | 1% | 0 |
| 003.10 | Fat, Soxtec, Pet Ether | 62 | 2.5085 | 0.0190 | 2.4352 | 0.1739 | 0.1399 | 32 | 0.42 | 2% | 0 |
| 003.10 | Fat, Soxtec, Pet Ether | 98 | 2.5100 | 0.0400 | 2.4352 | 0.1739 | 0.1399 | 32 | 0.43 | 2% | 0 |
| 003.10 | Fat, Soxtec, Pet Ether | 233 | 2.5300 | 0.0200 | 2.4352 | 0.1739 | 0.1399 | 32 | 0.54 | 2% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|--------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 003.10 | Fat, Soxtec, Pet Ether | 45 | 2.5900 | 0.2200 | 2.4352 | 0.1739 | 0.1399 | 32 | 0.89 | 3% | 0 |
| 003.10 | Fat, Soxtec, Pet Ether | 689 | 2.6000 | 0.0000 | 2.4352 | 0.1739 | 0.1399 | 32 | 0.95 | 3% | 0 |
| 003.10 | Fat, Soxtec, Pet Ether | 718 | 2.6650 | 0.2100 | 2.4352 | 0.1739 | 0.1399 | 32 | 1.32 | 5% | 0 |
| 003.10 | Fat, Soxtec, Pet Ether | 676 | 2.6660 | 0.2020 | 2.4352 | 0.1739 | 0.1399 | 32 | 1.33 | 5% | 0 |
| 003.10 | Fat, Soxtec, Pet Ether | 591 | 2.6850 | 0.0700 | 2.4352 | 0.1739 | 0.1399 | 32 | 1.44 | 5% | 0 |
| 003.10 | Fat, Soxtec, Pet Ether | 202 | 2.8550 | 0.1500 | 2.4352 | 0.1739 | 0.1399 | 32 | 2.41 | 9% | 0 |
| 003.10 | Fat, Soxtec, Pet Ether | 613 | 2.8750 | 0.1100 | 2.4352 | 0.1739 | 0.1399 | 32 | 2.53 | 9% | 0 |
| 003.10 | Fat, Soxtec, Pet Ether | 618 | 2.9500 | 0.0800 | 2.4352 | 0.1739 | 0.1399 | 32 | 2.96 | 11% | 0 |
| 003.11 | Fat, NIR | 11 | 1.4000 | 0.0000 | 2.2315 | 0.3131 | 0.0909 | 8 | -2.66 | 19% | 0 |
| 003.11 | Fat, NIR | 731 | 1.9750 | 0.1100 | 2.2315 | 0.3131 | 0.0909 | 8 | -0.82 | 6% | 0 |
| 003.11 | Fat, NIR | 588 | 2.0350 | 0.0500 | 2.2315 | 0.3131 | 0.0909 | 8 | -0.63 | 4% | 0 |
| 003.11 | Fat, NIR | 720 | 2.2250 | 0.0100 | 2.2315 | 0.3131 | 0.0909 | 8 | -0.02 | 0% | 0 |
| 003.11 | Fat, NIR | 727 | 2.3150 | 0.1672 | 2.2315 | 0.3131 | 0.0909 | 8 | 0.27 | 2% | 0 |
| 003.11 | Fat, NIR | 631 | 2.4450 | 0.1700 | 2.2315 | 0.3131 | 0.0909 | 8 | 0.68 | 5% | 0 |
| 003.11 | Fat, NIR | 713 | 2.4600 | 0.0200 | 2.2315 | 0.3131 | 0.0909 | 8 | 0.73 | 5% | 0 |
| 003.11 | Fat, NIR | 178 | 2.6000 | 0.2000 | 2.2315 | 0.3131 | 0.0909 | 8 | 1.18 | 8% | 0 |
| 003.12 | Fat, Hexane Ext | 357 | 1.9500 | 0.1000 | 2.4625 | 0.3561 | 0.0650 | 4 | -1.44 | 10% | 0 |
| 003.12 | Fat, Hexane Ext | 171 | 2.5050 | 0.0700 | 2.4625 | 0.3561 | 0.0650 | 4 | 0.12 | 1% | 0 |
| 003.12 | Fat, Hexane Ext | 670 | 2.6450 | 0.0300 | 2.4625 | 0.3561 | 0.0650 | 4 | 0.51 | 4% | 0 |
| 003.12 | Fat, Hexane Ext | 631 | 2.7500 | 0.0600 | 2.4625 | 0.3561 | 0.0650 | 4 | 0.81 | 6% | 0 |
| 003.13 | Fat, Soxtec, Hexane Ext. | 660 | 2.2850 | 0.1900 | 2.5248 | 0.2159 | 0.1000 | 6 | -1.11 | 5% | 0 |
| 003.13 | Fat, Soxtec, Hexane Ext. | 33 | 2.3300 | 0.0600 | 2.5248 | 0.2159 | 0.1000 | 6 | -0.90 | 4% | 0 |
| 003.13 | Fat, Soxtec, Hexane Ext. | 28 | 2.5100 | 0.0400 | 2.5248 | 0.2159 | 0.1000 | 6 | -0.07 | 0% | 0 |
| 003.13 | Fat, Soxtec, Hexane Ext. | 205 | 2.5940 | 0.1100 | 2.5248 | 0.2159 | 0.1000 | 6 | 0.32 | 1% | 0 |
| 003.13 | Fat, Soxtec, Hexane Ext. | 187 | 2.6500 | 0.0400 | 2.5248 | 0.2159 | 0.1000 | 6 | 0.58 | 2% | 0 |
| 003.13 | Fat, Soxtec, Hexane Ext. | 864 | 2.7800 | 0.1600 | 2.5248 | 0.2159 | 0.1000 | 6 | 1.18 | 5% | 0 |
| 003.14 | Fat, Ankom | 853 | 1.4550 | 0.2100 | 2.3838 | 0.1707 | 0.1416 | 19 | -5.44 | 19% | 0 |
| 003.14 | Fat, Ankom | 574 | 1.9750 | 0.3500 | 2.3838 | 0.1707 | 0.1416 | 19 | -2.40 | 9% | 0 |
| 003.14 | Fat, Ankom | 550 | 2.1350 | 0.2300 | 2.3838 | 0.1707 | 0.1416 | 19 | -1.46 | 5% | 0 |
| 003.14 | Fat, Ankom | 529 | 2.2650 | 0.0100 | 2.3838 | 0.1707 | 0.1416 | 19 | -0.70 | 2% | 0 |
| 003.14 | Fat, Ankom | 581 | 2.3150 | 0.0700 | 2.3838 | 0.1707 | 0.1416 | 19 | -0.40 | 1% | 0 |
| 003.14 | Fat, Ankom | 686 | 2.3200 | 0.1000 | 2.3838 | 0.1707 | 0.1416 | 19 | -0.37 | 1% | 0 |
| 003.14 | Fat, Ankom | 144 | 2.3400 | 0.0200 | 2.3838 | 0.1707 | 0.1416 | 19 | -0.26 | 1% | 0 |
| 003.14 | Fat, Ankom | 407 | 2.3400 | 0.0800 | 2.3838 | 0.1707 | 0.1416 | 19 | -0.26 | 1% | 0 |
| 003.14 | Fat, Ankom | 598 | 2.3500 | 0.0400 | 2.3838 | 0.1707 | 0.1416 | 19 | -0.20 | 1% | 0 |
| 003.14 | Fat, Ankom | 21 | 2.3600 | 0.1000 | 2.3838 | 0.1707 | 0.1416 | 19 | -0.14 | 0% | 0 |
| 003.14 | Fat, Ankom | 19 | 2.3750 | 0.0700 | 2.3838 | 0.1707 | 0.1416 | 19 | -0.05 | 0% | 0 |
| 003.14 | Fat, Ankom | 229 | 2.4000 | 0.2000 | 2.3838 | 0.1707 | 0.1416 | 19 | 0.09 | 0% | 0 |
| 003.14 | Fat, Ankom | 175 | 2.4600 | 0.0800 | 2.3838 | 0.1707 | 0.1416 | 19 | 0.45 | 2% | 0 |
| 003.14 | Fat, Ankom | 108 | 2.5000 | 0.3400 | 2.3838 | 0.1707 | 0.1416 | 19 | 0.68 | 2% | 0 |
| 003.14 | Fat, Ankom | 520 | 2.5250 | 0.4300 | 2.3838 | 0.1707 | 0.1416 | 19 | 0.83 | 3% | 0 |
| 003.14 | Fat, Ankom | 265 | 2.6000 | 0.0000 | 2.3838 | 0.1707 | 0.1416 | 19 | 1.27 | 5% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|----------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 003.14 | Fat, Ankom | 726 | 2.6550 | 0.0200 | 2.3838 | 0.1707 | 0.1416 | 19 | 1.59 | 6% | 0 |
| 003.14 | Fat, Ankom | 413 | 3.1000 | 0.2000 | 2.3838 | 0.1707 | 0.1416 | 19 | 4.20 | 15% | 0 |
| 003.14 | Fat, Ankom | 190 | 3.1900 | 0.1400 | 2.3838 | 0.1707 | 0.1416 | 19 | 4.72 | 17% | 0 |
| 003.99 | Fat, Miscellaneous | 786 | 2.2050 | 0.3100 | 2.6945 | 0.3010 | 0.3320 | 10 | -1.63 | 9% | 0 |
| 003.99 | Fat, Miscellaneous | 536 | 2.4300 | 0.0800 | 2.6945 | 0.3010 | 0.3320 | 10 | -0.88 | 5% | 0 |
| 003.99 | Fat, Miscellaneous | 727 | 2.5200 | 0.8000 | 2.6945 | 0.3010 | 0.3320 | 10 | -0.58 | 3% | 0 |
| 003.99 | Fat, Miscellaneous | 546 | 2.5650 | 0.3100 | 2.6945 | 0.3010 | 0.3320 | 10 | -0.43 | 2% | 0 |
| 003.99 | Fat, Miscellaneous | 47 | 2.6550 | 0.0100 | 2.6945 | 0.3010 | 0.3320 | 10 | -0.13 | 1% | 0 |
| 003.99 | Fat, Miscellaneous | 738 | 2.6900 | 0.1600 | 2.6945 | 0.3010 | 0.3320 | 10 | -0.01 | 0% | 0 |
| 003.99 | Fat, Miscellaneous | 880 | 2.8000 | 0.6000 | 2.6945 | 0.3010 | 0.3320 | 10 | 0.35 | 2% | 0 |
| 003.99 | Fat, Miscellaneous | 681 | 2.8900 | 0.0400 | 2.6945 | 0.3010 | 0.3320 | 10 | 0.65 | 4% | 0 |
| 003.99 | Fat, Miscellaneous | 712 | 3.0500 | 0.5200 | 2.6945 | 0.3010 | 0.3320 | 10 | 1.18 | 7% | 0 |
| 003.99 | Fat, Miscellaneous | 630 | 3.1450 | 0.4900 | 2.6945 | 0.3010 | 0.3320 | 10 | 1.50 | 8% | 0 |
| 003.99 | Fat, Miscellaneous | 737 | 2.4200 | 0.0600 | 2.6945 | 0.3010 | 0.3320 | 10 | -0.91 | 5% | 8 |
| 003.99 | Fat, Miscellaneous | 788 | 2.6040 | 0.1980 | 2.6945 | 0.3010 | 0.3320 | 10 | -0.30 | 2% | 8 |
| 003.99 | Fat, Miscellaneous | 787 | 3.4600 | 0.5200 | 2.6945 | 0.3010 | 0.3320 | 10 | 2.54 | 14% | 8 |
| 004.00 | Fiber, Crude Asbestos Free | 681 | 20.8850 | 0.2900 | 24.2231 | 1.7503 | 0.3469 | 29 | -1.91 | 7% | 0 |
| 004.00 | Fiber, Crude Asbestos Free | 826 | 21.0100 | 0.0800 | 24.2231 | 1.7503 | 0.3469 | 29 | -1.84 | 7% | 0 |
| 004.00 | Fiber, Crude Asbestos Free | 510 | 21.4000 | 0.6000 | 24.2231 | 1.7503 | 0.3469 | 29 | -1.61 | 6% | 0 |
| 004.00 | Fiber, Crude Asbestos Free | 871 | 21.6750 | 0.0100 | 24.2231 | 1.7503 | 0.3469 | 29 | -1.46 | 5% | 0 |
| 004.00 | Fiber, Crude Asbestos Free | 34 | 22.6600 | 0.0000 | 24.2231 | 1.7503 | 0.3469 | 29 | -0.89 | 3% | 0 |
| 004.00 | Fiber, Crude Asbestos Free | 39 | 22.7275 | 0.0370 | 24.2231 | 1.7503 | 0.3469 | 29 | -0.85 | 3% | 0 |
| 004.00 | Fiber, Crude Asbestos Free | 353 | 23.0950 | 1.5700 | 24.2231 | 1.7503 | 0.3469 | 29 | -0.64 | 2% | 0 |
| 004.00 | Fiber, Crude Asbestos Free | 175 | 23.2000 | 0.2000 | 24.2231 | 1.7503 | 0.3469 | 29 | -0.58 | 2% | 0 |
| 004.00 | Fiber, Crude Asbestos Free | 695 | 23.3750 | 0.1100 | 24.2231 | 1.7503 | 0.3469 | 29 | -0.48 | 2% | 0 |
| 004.00 | Fiber, Crude Asbestos Free | 504 | 23.4450 | 0.2700 | 24.2231 | 1.7503 | 0.3469 | 29 | -0.44 | 2% | 0 |
| 004.00 | Fiber, Crude Asbestos Free | 726 | 23.4715 | 0.7730 | 24.2231 | 1.7503 | 0.3469 | 29 | -0.43 | 2% | 0 |
| 004.00 | Fiber, Crude Asbestos Free | 9 | 23.7450 | 0.1500 | 24.2231 | 1.7503 | 0.3469 | 29 | -0.27 | 1% | 0 |
| 004.00 | Fiber, Crude Asbestos Free | 194 | 23.9650 | 0.0300 | 24.2231 | 1.7503 | 0.3469 | 29 | -0.15 | 1% | 0 |
| 004.00 | Fiber, Crude Asbestos Free | 596 | 24.0000 | 0.2000 | 24.2231 | 1.7503 | 0.3469 | 29 | -0.13 | 0% | 0 |
| 004.00 | Fiber, Crude Asbestos Free | 425 | 24.2000 | 0.4000 | 24.2231 | 1.7503 | 0.3469 | 29 | -0.01 | 0% | 0 |
| 004.00 | Fiber, Crude Asbestos Free | 199 | 24.2300 | 0.8800 | 24.2231 | 1.7503 | 0.3469 | 29 | 0.00 | 0% | 0 |
| 004.00 | Fiber, Crude Asbestos Free | 226 | 24.2500 | 0.1000 | 24.2231 | 1.7503 | 0.3469 | 29 | 0.02 | 0% | 0 |
| 004.00 | Fiber, Crude Asbestos Free | 298 | 24.5400 | 0.0200 | 24.2231 | 1.7503 | 0.3469 | 29 | 0.18 | 1% | 0 |
| 004.00 | Fiber, Crude Asbestos Free | 309 | 25.0450 | 0.1700 | 24.2231 | 1.7503 | 0.3469 | 29 | 0.47 | 2% | 0 |
| 004.00 | Fiber, Crude Asbestos Free | 169 | 25.1300 | 0.0200 | 24.2231 | 1.7503 | 0.3469 | 29 | 0.52 | 2% | 0 |
| 004.00 | Fiber, Crude Asbestos Free | 171 | 25.2150 | 0.3100 | 24.2231 | 1.7503 | 0.3469 | 29 | 0.57 | 2% | 0 |
| 004.00 | Fiber, Crude Asbestos Free | 354 | 25.2900 | 0.0400 | 24.2231 | 1.7503 | 0.3469 | 29 | 0.61 | 2% | 0 |
| 004.00 | Fiber, Crude Asbestos Free | 559 | 25.8100 | 1.5000 | 24.2231 | 1.7503 | 0.3469 | 29 | 0.91 | 3% | 0 |
| 004.00 | Fiber, Crude Asbestos Free | 647 | 25.8300 | 0.7000 | 24.2231 | 1.7503 | 0.3469 | 29 | 0.92 | 3% | 0 |
| 004.00 | Fiber, Crude Asbestos Free | 164 | 25.9500 | 0.3000 | 24.2231 | 1.7503 | 0.3469 | 29 | 0.99 | 4% | 0 |
| 004.00 | Fiber, Crude Asbestos Free | 345 | 26.3200 | 0.2400 | 24.2231 | 1.7503 | 0.3469 | 29 | 1.20 | 4% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|----------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 004.00 | Fiber, Crude Asbestos Free | 208 | 26.8500 | 0.3000 | 24.2231 | 1.7503 | 0.3469 | 29 | 1.50 | 5% | 0 |
| 004.00 | Fiber, Crude Asbestos Free | 15 | 27.2400 | 0.2600 | 24.2231 | 1.7503 | 0.3469 | 29 | 1.72 | 6% | 0 |
| 004.00 | Fiber, Crude Asbestos Free | 511 | 27.4500 | 0.5000 | 24.2231 | 1.7503 | 0.3469 | 29 | 1.84 | 7% | 0 |
| 004.00 | Fiber, Crude Asbestos Free | 876 | 26.3650 | 1.9300 | 24.2231 | 1.7503 | 0.3469 | 29 | 1.22 | 4% | 1 |
| 004.01 | Fiber, Sing Filt | 366 | 25.1500 | 0.5000 | 25.2500 | 0.1414 | 0.4000 | 2 | -0.71 | 0% | 0 |
| 004.01 | Fiber, Sing Filt | 45 | 25.3500 | 0.3000 | 25.2500 | 0.1414 | 0.4000 | 2 | 0.71 | 0% | 0 |
| 004.03 | Fiber, Fritted Glass | 619 | 25.1000 | 0.2000 | 26.2630 | 1.6447 | 0.5610 | 2 | -0.71 | 2% | 0 |
| 004.03 | Fiber, Fritted Glass | 626 | 27.4260 | 0.9220 | 26.2630 | 1.6447 | 0.5610 | 2 | 0.71 | 2% | 0 |
| 004.06 | Fiber, Fibertec | 845 | 2.4900 | 0.1000 | 24.6907 | 1.0870 | 0.3529 | 33 | -20.42 | 45% | 0 |
| 004.06 | Fiber, Fibertec | 883 | 3.2300 | 0.0200 | 24.6907 | 1.0870 | 0.3529 | 33 | -19.74 | 43% | 0 |
| 004.06 | Fiber, Fibertec | 878 | 21.5500 | 0.1000 | 24.6907 | 1.0870 | 0.3529 | 33 | -2.89 | 6% | 0 |
| 004.06 | Fiber, Fibertec | 848 | 22.6600 | 0.0200 | 24.6907 | 1.0870 | 0.3529 | 33 | -1.87 | 4% | 0 |
| 004.06 | Fiber, Fibertec | 868 | 22.9700 | 0.0800 | 24.6907 | 1.0870 | 0.3529 | 33 | -1.58 | 3% | 0 |
| 004.06 | Fiber, Fibertec | 731 | 23.1200 | 0.1000 | 24.6907 | 1.0870 | 0.3529 | 33 | -1.45 | 3% | 0 |
| 004.06 | Fiber, Fibertec | 860 | 23.2750 | 0.0100 | 24.6907 | 1.0870 | 0.3529 | 33 | -1.30 | 3% | 0 |
| 004.06 | Fiber, Fibertec | 653 | 23.7800 | 0.1600 | 24.6907 | 1.0870 | 0.3529 | 33 | -0.84 | 2% | 0 |
| 004.06 | Fiber, Fibertec | 656 | 23.8950 | 0.5100 | 24.6907 | 1.0870 | 0.3529 | 33 | -0.73 | 2% | 0 |
| 004.06 | Fiber, Fibertec | 205 | 24.1500 | 0.1000 | 24.6907 | 1.0870 | 0.3529 | 33 | -0.50 | 1% | 0 |
| 004.06 | Fiber, Fibertec | 723 | 24.1500 | 0.1000 | 24.6907 | 1.0870 | 0.3529 | 33 | -0.50 | 1% | 0 |
| 004.06 | Fiber, Fibertec | 98 | 24.2500 | 0.7000 | 24.6907 | 1.0870 | 0.3529 | 33 | -0.41 | 1% | 0 |
| 004.06 | Fiber, Fibertec | 38 | 24.4100 | 0.6600 | 24.6907 | 1.0870 | 0.3529 | 33 | -0.26 | 1% | 0 |
| 004.06 | Fiber, Fibertec | 676 | 24.6625 | 0.1330 | 24.6907 | 1.0870 | 0.3529 | 33 | -0.03 | 0% | 0 |
| 004.06 | Fiber, Fibertec | 670 | 24.6850 | 0.3300 | 24.6907 | 1.0870 | 0.3529 | 33 | -0.01 | 0% | 0 |
| 004.06 | Fiber, Fibertec | 178 | 24.8000 | 0.4000 | 24.6907 | 1.0870 | 0.3529 | 33 | 0.10 | 0% | 0 |
| 004.06 | Fiber, Fibertec | 610 | 24.8000 | 0.4000 | 24.6907 | 1.0870 | 0.3529 | 33 | 0.10 | 0% | 0 |
| 004.06 | Fiber, Fibertec | 668 | 24.8400 | 0.4000 | 24.6907 | 1.0870 | 0.3529 | 33 | 0.14 | 0% | 0 |
| 004.06 | Fiber, Fibertec | 674 | 24.9000 | 0.7200 | 24.6907 | 1.0870 | 0.3529 | 33 | 0.19 | 0% | 0 |
| 004.06 | Fiber, Fibertec | 620 | 24.9451 | 0.0798 | 24.6907 | 1.0870 | 0.3529 | 33 | 0.23 | 1% | 0 |
| 004.06 | Fiber, Fibertec | 27 | 25.0050 | 0.0100 | 24.6907 | 1.0870 | 0.3529 | 33 | 0.29 | 1% | 0 |
| 004.06 | Fiber, Fibertec | 613 | 25.0100 | 1.0200 | 24.6907 | 1.0870 | 0.3529 | 33 | 0.29 | 1% | 0 |
| 004.06 | Fiber, Fibertec | 675 | 25.0650 | 0.0100 | 24.6907 | 1.0870 | 0.3529 | 33 | 0.34 | 1% | 0 |
| 004.06 | Fiber, Fibertec | 673 | 25.1500 | 0.9000 | 24.6907 | 1.0870 | 0.3529 | 33 | 0.42 | 1% | 0 |
| 004.06 | Fiber, Fibertec | 689 | 25.2500 | 0.1000 | 24.6907 | 1.0870 | 0.3529 | 33 | 0.51 | 1% | 0 |
| 004.06 | Fiber, Fibertec | 552 | 25.3650 | 0.1300 | 24.6907 | 1.0870 | 0.3529 | 33 | 0.62 | 1% | 0 |
| 004.06 | Fiber, Fibertec | 350 | 25.5025 | 0.0490 | 24.6907 | 1.0870 | 0.3529 | 33 | 0.75 | 2% | 0 |
| 004.06 | Fiber, Fibertec | 354 | 25.7100 | 0.0600 | 24.6907 | 1.0870 | 0.3529 | 33 | 0.94 | 2% | 0 |
| 004.06 | Fiber, Fibertec | 722 | 26.0048 | 0.1035 | 24.6907 | 1.0870 | 0.3529 | 33 | 1.21 | 3% | 0 |
| 004.06 | Fiber, Fibertec | 29 | 26.2700 | 1.2400 | 24.6907 | 1.0870 | 0.3529 | 33 | 1.45 | 3% | 0 |
| 004.06 | Fiber, Fibertec | 866 | 26.8500 | 0.0600 | 24.6907 | 1.0870 | 0.3529 | 33 | 1.99 | 4% | 0 |
| 004.06 | Fiber, Fibertec | 591 | 26.9900 | 1.6200 | 24.6907 | 1.0870 | 0.3529 | 33 | 2.12 | 5% | 0 |
| 004.06 | Fiber, Fibertec | 609 | 30.0900 | 1.2200 | 24.6907 | 1.0870 | 0.3529 | 33 | 4.97 | 11% | 0 |
| 004.06 | Fiber, Fibertec | 590 | 24.0400 | 1.8200 | 24.6907 | 1.0870 | 0.3529 | 33 | -0.60 | 1% | 1 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|-------------------------|----------|----------|---------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 004.07 | Fiber, ANKOM | 294 | 21.5650 | 0.0300 | 24.2163 | 1.2466 | 0.4984 | 41 | -2.13 | 5% | 0 |
| 004.07 | Fiber, ANKOM | 19 | 21.7100 | 0.1600 | 24.2163 | 1.2466 | 0.4984 | 41 | -2.01 | 5% | 0 |
| 004.07 | Fiber, ANKOM | 708 | 21.8400 | 0.2600 | 24.2163 | 1.2466 | 0.4984 | 41 | -1.91 | 5% | 0 |
| 004.07 | Fiber, ANKOM | 26 | 22.5150 | 0.2500 | 24.2163 | 1.2466 | 0.4984 | 41 | -1.36 | 4% | 0 |
| 004.07 | Fiber, ANKOM | 520 | 22.7200 | 0.3800 | 24.2163 | 1.2466 | 0.4984 | 41 | -1.20 | 3% | 0 |
| 004.07 | Fiber, ANKOM | 682 | 22.8000 | 0.0000 | 24.2163 | 1.2466 | 0.4984 | 41 | -1.14 | 3% | 0 |
| 004.07 | Fiber, ANKOM | 643 | 23.2450 | 0.5700 | 24.2163 | 1.2466 | 0.4984 | 41 | -0.78 | 2% | 0 |
| 004.07 | Fiber, ANKOM | 553 | 23.2550 | 0.0500 | 24.2163 | 1.2466 | 0.4984 | 41 | -0.77 | 2% | 0 |
| 004.07 | Fiber, ANKOM | 4 | 23.2750 | 0.4100 | 24.2163 | 1.2466 | 0.4984 | 41 | -0.76 | 2% | 0 |
| 004.07 | Fiber, ANKOM | 870 | 23.3395 | 0.0476 | 24.2163 | 1.2466 | 0.4984 | 41 | -0.70 | 2% | 0 |
| 004.07 | Fiber, ANKOM | 407 | 23.3850 | 0.0500 | 24.2163 | 1.2466 | 0.4984 | 41 | -0.67 | 2% | 0 |
| 004.07 | Fiber, ANKOM | 849 | 23.3950 | 0.0100 | 24.2163 | 1.2466 | 0.4984 | 41 | -0.66 | 2% | 0 |
| 004.07 | Fiber, ANKOM | 190 | 23.4500 | 0.7000 | 24.2163 | 1.2466 | 0.4984 | 41 | -0.61 | 2% | 0 |
| 004.07 | Fiber, ANKOM | 242 | 23.6500 | 0.2600 | 24.2163 | 1.2466 | 0.4984 | 41 | -0.45 | 1% | 0 |
| 004.07 | Fiber, ANKOM | 100 | 23.9650 | 1.8500 | 24.2163 | 1.2466 | 0.4984 | 41 | -0.20 | 1% | 0 |
| 004.07 | Fiber, ANKOM | 581 | 24.0000 | 0.4000 | 24.2163 | 1.2466 | 0.4984 | 41 | -0.17 | 0% | 0 |
| 004.07 | Fiber, ANKOM | 21 | 24.1600 | 0.1400 | 24.2163 | 1.2466 | 0.4984 | 41 | -0.05 | 0% | 0 |
| 004.07 | Fiber, ANKOM | 144 | 24.1750 | 0.3500 | 24.2163 | 1.2466 | 0.4984 | 41 | -0.03 | 0% | 0 |
| 004.07 | Fiber, ANKOM | 98 | 24.2000 | 0.6000 | 24.2163 | 1.2466 | 0.4984 | 41 | -0.01 | 0% | 0 |
| 004.07 | Fiber, ANKOM | 505 | 24.2150 | 0.1500 | 24.2163 | 1.2466 | 0.4984 | 41 | 0.00 | 0% | 0 |
| 004.07 | Fiber, ANKOM | 631 | 24.2200 | 1.9600 | 24.2163 | 1.2466 | 0.4984 | 41 | 0.00 | 0% | 0 |
| 004.07 | Fiber, ANKOM | 8 | 24.2550 | 0.1900 | 24.2163 | 1.2466 | 0.4984 | 41 | 0.03 | 0% | 0 |
| 004.07 | Fiber, ANKOM | 3 | 24.2750 | 0.0900 | 24.2163 | 1.2466 | 0.4984 | 41 | 0.05 | 0% | 0 |
| 004.07 | Fiber, ANKOM | 35 | 24.2900 | 0.1400 | 24.2163 | 1.2466 | 0.4984 | 41 | 0.06 | 0% | 0 |
| 004.07 | Fiber, ANKOM | 42 | 24.2950 | 0.2900 | 24.2163 | 1.2466 | 0.4984 | 41 | 0.06 | 0% | 0 |
| 004.07 | Fiber, ANKOM | 529 | 24.3150 | 0.2100 | 24.2163 | 1.2466 | 0.4984 | 41 | 0.08 | 0% | 0 |
| 004.07 | Fiber, ANKOM | 28 | 24.5000 | 0.2000 | 24.2163 | 1.2466 | 0.4984 | 41 | 0.23 | 1% | 0 |
| 004.07 | Fiber, ANKOM | 413 | 24.5000 | 0.6000 | 24.2163 | 1.2466 | 0.4984 | 41 | 0.23 | 1% | 0 |
| 004.07 | Fiber, ANKOM | 686 | 24.6250 | 0.0700 | 24.2163 | 1.2466 | 0.4984 | 41 | 0.33 | 1% | 0 |
| 004.07 | Fiber, ANKOM | 13 | 24.6350 | 0.8500 | 24.2163 | 1.2466 | 0.4984 | 41 | 0.34 | 1% | 0 |
| 004.07 | Fiber, ANKOM | 229 | 24.7750 | 0.3500 | 24.2163 | 1.2466 | 0.4984 | 41 | 0.45 | 1% | 0 |
| 004.07 | Fiber, ANKOM | 202 | 24.8450 | 1.2700 | 24.2163 | 1.2466 | 0.4984 | 41 | 0.50 | 1% | 0 |
| 004.07 | Fiber, ANKOM | 74 | 25.3750 | 0.5100 | 24.2163 | 1.2466 | 0.4984 | 41 | 0.93 | 2% | 0 |
| 004.07 | Fiber, ANKOM | 33 | 25.4500 | 1.9000 | 24.2163 | 1.2466 | 0.4984 | 41 | 0.99 | 3% | 0 |
| 004.07 | Fiber, ANKOM | 610 | 25.5500 | 0.7000 | 24.2163 | 1.2466 | 0.4984 | 41 | 1.07 | 3% | 0 |
| 004.07 | Fiber, ANKOM | 160 | 25.8730 | 0.6760 | 24.2163 | 1.2466 | 0.4984 | 41 | 1.33 | 3% | 0 |
| 004.07 | Fiber, ANKOM | 121 | 25.9700 | 0.2980 | 24.2163 | 1.2466 | 0.4984 | 41 | 1.41 | 4% | 0 |
| 004.07 | Fiber, ANKOM | 265 | 26.2000 | 0.8000 | 24.2163 | 1.2466 | 0.4984 | 41 | 1.59 | 4% | 0 |
| 004.07 | Fiber, ANKOM | 669 | 26.2350 | 0.4700 | 24.2163 | 1.2466 | 0.4984 | 41 | 1.62 | 4% | 0 |
| 004.07 | Fiber, ANKOM | 300 | 26.3970 | 0.4140 | 24.2163 | 1.2466 | 0.4984 | 41 | 1.75 | 5% | 0 |
| 004.07 | Fiber, ANKOM | 718 | 28.8700 | 1.7800 | 24.2163 | 1.2466 | 0.4984 | 41 | 3.73 | 10% | 0 |
| 004.07 | Fiber, ANKOM | 864 | 12.5150 | 25.0300 | 24.2163 | 1.2466 | 0.4984 | 41 | -9.39 | 24% | 1 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|-------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 004.07 | Fiber, ANKOM | 89 | 1.5000 | 0.0000 | 24.2163 | 1.2466 | 0.4984 | 41 | -18.22 | 47% | 2 |
| 004.11 | Fiber, NIR | 720 | 19.7500 | 0.3000 | 23.7716 | 1.3737 | 0.4001 | 8 | -2.93 | 8% | 0 |
| 004.11 | Fiber, NIR | 631 | 22.8950 | 0.4300 | 23.7716 | 1.3737 | 0.4001 | 8 | -0.64 | 2% | 0 |
| 004.11 | Fiber, NIR | 713 | 22.9800 | 0.0600 | 23.7716 | 1.3737 | 0.4001 | 8 | -0.58 | 2% | 0 |
| 004.11 | Fiber, NIR | 178 | 23.4500 | 1.1000 | 23.7716 | 1.3737 | 0.4001 | 8 | -0.23 | 1% | 0 |
| 004.11 | Fiber, NIR | 11 | 24.1000 | 0.2000 | 23.7716 | 1.3737 | 0.4001 | 8 | 0.24 | 1% | 0 |
| 004.11 | Fiber, NIR | 727 | 24.1775 | 0.7810 | 23.7716 | 1.3737 | 0.4001 | 8 | 0.30 | 1% | 0 |
| 004.11 | Fiber, NIR | 588 | 25.0200 | 0.2200 | 23.7716 | 1.3737 | 0.4001 | 8 | 0.91 | 3% | 0 |
| 004.11 | Fiber, NIR | 731 | 26.0150 | 0.1100 | 23.7716 | 1.3737 | 0.4001 | 8 | 1.63 | 5% | 0 |
| 004.99 | Fiber, Miscellaneous | 536 | 22.1050 | 1.2900 | 23.4300 | 1.3199 | 0.6250 | 4 | -1.00 | 3% | 0 |
| 004.99 | Fiber, Miscellaneous | 598 | 22.5150 | 0.0900 | 23.4300 | 1.3199 | 0.6250 | 4 | -0.69 | 2% | 0 |
| 004.99 | Fiber, Miscellaneous | 588 | 24.3000 | 0.1200 | 23.4300 | 1.3199 | 0.6250 | 4 | 0.66 | 2% | 0 |
| 004.99 | Fiber, Miscellaneous | 629 | 24.8000 | 1.0000 | 23.4300 | 1.3199 | 0.6250 | 4 | 1.04 | 3% | 0 |
| 005.00 | Ash, | 874 | 5.9100 | 0.0800 | 6.5891 | 0.1862 | 0.0930 | 119 | -3.65 | 5% | 0 |
| 005.00 | Ash, | 780 | 6.1050 | 0.1300 | 6.5891 | 0.1862 | 0.0930 | 119 | -2.60 | 4% | 0 |
| 005.00 | Ash, | 21 | 6.1190 | 0.0060 | 6.5891 | 0.1862 | 0.0930 | 119 | -2.52 | 4% | 0 |
| 005.00 | Ash, | 853 | 6.1950 | 0.2100 | 6.5891 | 0.1862 | 0.0930 | 119 | -2.12 | 3% | 0 |
| 005.00 | Ash, | 169 | 6.2150 | 0.0100 | 6.5891 | 0.1862 | 0.0930 | 119 | -2.01 | 3% | 0 |
| 005.00 | Ash, | 26 | 6.2450 | 0.0500 | 6.5891 | 0.1862 | 0.0930 | 119 | -1.85 | 3% | 0 |
| 005.00 | Ash, | 550 | 6.2750 | 0.1700 | 6.5891 | 0.1862 | 0.0930 | 119 | -1.69 | 2% | 0 |
| 005.00 | Ash, | 417 | 6.2800 | 0.2400 | 6.5891 | 0.1862 | 0.0930 | 119 | -1.66 | 2% | 0 |
| 005.00 | Ash, | 552 | 6.2850 | 0.1700 | 6.5891 | 0.1862 | 0.0930 | 119 | -1.63 | 2% | 0 |
| 005.00 | Ash, | 609 | 6.2850 | 0.0500 | 6.5891 | 0.1862 | 0.0930 | 119 | -1.63 | 2% | 0 |
| 005.00 | Ash, | 33 | 6.3000 | 0.0600 | 6.5891 | 0.1862 | 0.0930 | 119 | -1.55 | 2% | 0 |
| 005.00 | Ash, | 618 | 6.3170 | 0.0860 | 6.5891 | 0.1862 | 0.0930 | 119 | -1.46 | 2% | 0 |
| 005.00 | Ash, | 148 | 6.3200 | 0.1000 | 6.5891 | 0.1862 | 0.0930 | 119 | -1.44 | 2% | 0 |
| 005.00 | Ash, | 752 | 6.3250 | 0.2100 | 6.5891 | 0.1862 | 0.0930 | 119 | -1.42 | 2% | 0 |
| 005.00 | Ash, | 407 | 6.3500 | 0.0400 | 6.5891 | 0.1862 | 0.0930 | 119 | -1.28 | 2% | 0 |
| 005.00 | Ash, | 15 | 6.3600 | 0.1200 | 6.5891 | 0.1862 | 0.0930 | 119 | -1.23 | 2% | 0 |
| 005.00 | Ash, | 51 | 6.3600 | 0.0400 | 6.5891 | 0.1862 | 0.0930 | 119 | -1.23 | 2% | 0 |
| 005.00 | Ash, | 309 | 6.3600 | 0.0400 | 6.5891 | 0.1862 | 0.0930 | 119 | -1.23 | 2% | 0 |
| 005.00 | Ash, | 539 | 6.3700 | 0.1400 | 6.5891 | 0.1862 | 0.0930 | 119 | -1.18 | 2% | 0 |
| 005.00 | Ash, | 1 | 6.3750 | 0.3700 | 6.5891 | 0.1862 | 0.0930 | 119 | -1.15 | 2% | 0 |
| 005.00 | Ash, | 89 | 6.4150 | 0.0100 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.93 | 1% | 0 |
| 005.00 | Ash, | 615 | 6.4150 | 0.2700 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.93 | 1% | 0 |
| 005.00 | Ash, | 425 | 6.4250 | 0.0500 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.88 | 1% | 0 |
| 005.00 | Ash, | 781 | 6.4300 | 0.1000 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.85 | 1% | 0 |
| 005.00 | Ash, | 870 | 6.4328 | 0.1941 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.84 | 1% | 0 |
| 005.00 | Ash, | 733 | 6.4350 | 0.0100 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.83 | 1% | 0 |
| 005.00 | Ash, | 83 | 6.4500 | 0.1000 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.75 | 1% | 0 |
| 005.00 | Ash, | 205 | 6.4585 | 0.0510 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.70 | 1% | 0 |
| 005.00 | Ash, | 598 | 6.4650 | 0.1500 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.67 | 1% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|-------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 005.00 | Ash, | 845 | 6.4650 | 0.0300 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.67 | 1% | 0 |
| 005.00 | Ash, | 175 | 6.4700 | 0.0600 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.64 | 1% | 0 |
| 005.00 | Ash, | 179 | 6.4900 | 0.0400 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.53 | 1% | 0 |
| 005.00 | Ash, | 138 | 6.5000 | 0.1000 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.48 | 1% | 0 |
| 005.00 | Ash, | 812 | 6.5000 | 0.0600 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.48 | 1% | 0 |
| 005.00 | Ash, | 144 | 6.5050 | 0.0900 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.45 | 1% | 0 |
| 005.00 | Ash, | 675 | 6.5100 | 0.0000 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.42 | 1% | 0 |
| 005.00 | Ash, | 722 | 6.5125 | 0.0329 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.41 | 1% | 0 |
| 005.00 | Ash, | 100 | 6.5200 | 0.3600 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.37 | 1% | 0 |
| 005.00 | Ash, | 108 | 6.5300 | 0.1800 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.32 | 0% | 0 |
| 005.00 | Ash, | 98 | 6.5400 | 0.1200 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.26 | 0% | 0 |
| 005.00 | Ash, | 358 | 6.5400 | 0.0800 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.26 | 0% | 0 |
| 005.00 | Ash, | 783 | 6.5400 | 0.0200 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.26 | 0% | 0 |
| 005.00 | Ash, | 559 | 6.5450 | 0.1300 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.24 | 0% | 0 |
| 005.00 | Ash, | 809 | 6.5450 | 0.1100 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.24 | 0% | 0 |
| 005.00 | Ash, | 8 | 6.5500 | 0.1000 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.21 | 0% | 0 |
| 005.00 | Ash, | 596 | 6.5500 | 0.1000 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.21 | 0% | 0 |
| 005.00 | Ash, | 670 | 6.5500 | 0.0600 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.21 | 0% | 0 |
| 005.00 | Ash, | 171 | 6.5500 | 0.0400 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.21 | 0% | 0 |
| 005.00 | Ash, | 801 | 6.5500 | 0.1400 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.21 | 0% | 0 |
| 005.00 | Ash, | 651 | 6.5590 | 0.1100 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.16 | 0% | 0 |
| 005.00 | Ash, | 553 | 6.5600 | 0.0600 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.16 | 0% | 0 |
| 005.00 | Ash, | 830 | 6.5600 | 0.0600 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.16 | 0% | 0 |
| 005.00 | Ash, | 29 | 6.5650 | 0.0700 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.13 | 0% | 0 |
| 005.00 | Ash, | 65 | 6.5685 | 0.0070 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.11 | 0% | 0 |
| 005.00 | Ash, | 656 | 6.5700 | 0.2800 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.10 | 0% | 0 |
| 005.00 | Ash, | 187 | 6.5800 | 0.0200 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.05 | 0% | 0 |
| 005.00 | Ash, | 305 | 6.5800 | 0.1200 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.05 | 0% | 0 |
| 005.00 | Ash, | 505 | 6.5800 | 0.0000 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.05 | 0% | 0 |
| 005.00 | Ash, | 650 | 6.5900 | 0.0200 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.00 | 0% | 0 |
| 005.00 | Ash, | 723 | 6.5900 | 0.0200 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.00 | 0% | 0 |
| 005.00 | Ash, | 763 | 6.5900 | 0.0400 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.00 | 0% | 0 |
| 005.00 | Ash, | 686 | 6.5950 | 0.1100 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.03 | 0% | 0 |
| 005.00 | Ash, | 689 | 6.5950 | 0.0300 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.03 | 0% | 0 |
| 005.00 | Ash, | 242 | 6.6000 | 0.0000 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.06 | 0% | 0 |
| 005.00 | Ash, | 297 | 6.6000 | 0.2000 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.06 | 0% | 0 |
| 005.00 | Ash, | 357 | 6.6000 | 0.2000 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.06 | 0% | 0 |
| 005.00 | Ash, | 613 | 6.6000 | 0.0400 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.06 | 0% | 0 |
| 005.00 | Ash, | 821 | 6.6050 | 0.1900 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.09 | 0% | 0 |
| 005.00 | Ash, | 880 | 6.6050 | 0.1700 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.09 | 0% | 0 |
| 005.00 | Ash, | 35 | 6.6150 | 0.0100 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.14 | 0% | 0 |
| 005.00 | Ash, | 152 | 6.6250 | 0.0500 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.19 | 0% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|-------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 005.00 | Ash, | 520 | 6.6250 | 0.1700 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.19 | 0% | 0 |
| 005.00 | Ash, | 669 | 6.6500 | 0.1000 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.33 | 0% | 0 |
| 005.00 | Ash, | 712 | 6.6500 | 0.2000 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.33 | 0% | 0 |
| 005.00 | Ash, | 590 | 6.6550 | 0.0500 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.35 | 1% | 0 |
| 005.00 | Ash, | 849 | 6.6600 | 0.0200 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.38 | 1% | 0 |
| 005.00 | Ash, | 38 | 6.6625 | 0.0250 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.39 | 1% | 0 |
| 005.00 | Ash, | 45 | 6.6650 | 0.2300 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.41 | 1% | 0 |
| 005.00 | Ash, | 300 | 6.6650 | 0.1500 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.41 | 1% | 0 |
| 005.00 | Ash, | 682 | 6.6650 | 0.1100 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.41 | 1% | 0 |
| 005.00 | Ash, | 350 | 6.6695 | 0.0030 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.43 | 1% | 0 |
| 005.00 | Ash, | 510 | 6.6750 | 0.0500 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.46 | 1% | 0 |
| 005.00 | Ash, | 581 | 6.6800 | 0.2200 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.49 | 1% | 0 |
| 005.00 | Ash, | 848 | 6.6850 | 0.0300 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.52 | 1% | 0 |
| 005.00 | Ash, | 354 | 6.6900 | 0.0200 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.54 | 1% | 0 |
| 005.00 | Ash, | 541 | 6.6900 | 0.1000 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.54 | 1% | 0 |
| 005.00 | Ash, | 743 | 6.6900 | 0.0400 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.54 | 1% | 0 |
| 005.00 | Ash, | 226 | 6.7000 | 0.0000 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.60 | 1% | 0 |
| 005.00 | Ash, | 591 | 6.7000 | 0.0600 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.60 | 1% | 0 |
| 005.00 | Ash, | 160 | 6.7070 | 0.0160 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.63 | 1% | 0 |
| 005.00 | Ash, | 353 | 6.7100 | 0.1600 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.65 | 1% | 0 |
| 005.00 | Ash, | 194 | 6.7200 | 0.0200 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.70 | 1% | 0 |
| 005.00 | Ash, | 298 | 6.7200 | 0.0200 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.70 | 1% | 0 |
| 005.00 | Ash, | 622 | 6.7260 | 0.0240 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.74 | 1% | 0 |
| 005.00 | Ash, | 229 | 6.7300 | 0.0400 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.76 | 1% | 0 |
| 005.00 | Ash, | 199 | 6.7450 | 0.1500 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.84 | 1% | 0 |
| 005.00 | Ash, | 178 | 6.7500 | 0.1000 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.86 | 1% | 0 |
| 005.00 | Ash, | 674 | 6.7500 | 0.0600 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.86 | 1% | 0 |
| 005.00 | Ash, | 620 | 6.7550 | 0.2400 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.89 | 1% | 0 |
| 005.00 | Ash, | 653 | 6.7550 | 0.0300 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.89 | 1% | 0 |
| 005.00 | Ash, | 623 | 6.7575 | 0.1298 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.90 | 1% | 0 |
| 005.00 | Ash, | 731 | 6.7800 | 0.0600 | 6.5891 | 0.1862 | 0.0930 | 119 | 1.03 | 1% | 0 |
| 005.00 | Ash, | 208 | 6.7900 | 0.0200 | 6.5891 | 0.1862 | 0.0930 | 119 | 1.08 | 2% | 0 |
| 005.00 | Ash, | 265 | 6.8000 | 0.2000 | 6.5891 | 0.1862 | 0.0930 | 119 | 1.13 | 2% | 0 |
| 005.00 | Ash, | 62 | 6.8110 | 0.1640 | 6.5891 | 0.1862 | 0.0930 | 119 | 1.19 | 2% | 0 |
| 005.00 | Ash, | 720 | 6.8550 | 0.1900 | 6.5891 | 0.1862 | 0.0930 | 119 | 1.43 | 2% | 0 |
| 005.00 | Ash, | 164 | 6.8750 | 0.0100 | 6.5891 | 0.1862 | 0.0930 | 119 | 1.54 | 2% | 0 |
| 005.00 | Ash, | 504 | 6.8850 | 0.1700 | 6.5891 | 0.1862 | 0.0930 | 119 | 1.59 | 2% | 0 |
| 005.00 | Ash, | 770 | 6.8900 | 0.0600 | 6.5891 | 0.1862 | 0.0930 | 119 | 1.62 | 2% | 0 |
| 005.00 | Ash, | 366 | 6.9000 | 0.0000 | 6.5891 | 0.1862 | 0.0930 | 119 | 1.67 | 2% | 0 |
| 005.00 | Ash, | 660 | 6.9150 | 0.2100 | 6.5891 | 0.1862 | 0.0930 | 119 | 1.75 | 2% | 0 |
| 005.00 | Ash, | 629 | 6.9150 | 0.0900 | 6.5891 | 0.1862 | 0.0930 | 119 | 1.75 | 2% | 0 |
| 005.00 | Ash, | 630 | 6.9200 | 0.0200 | 6.5891 | 0.1862 | 0.0930 | 119 | 1.78 | 3% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|-------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 005.00 | Ash, | 4 | 6.9550 | 0.0900 | 6.5891 | 0.1862 | 0.0930 | 119 | 1.97 | 3% | 0 |
| 005.00 | Ash, | 643 | 6.9600 | 0.0200 | 6.5891 | 0.1862 | 0.0930 | 119 | 1.99 | 3% | 0 |
| 005.00 | Ash, | 619 | 7.0000 | 0.0000 | 6.5891 | 0.1862 | 0.0930 | 119 | 2.21 | 3% | 0 |
| 005.00 | Ash, | 142 | 7.0500 | 0.1000 | 6.5891 | 0.1862 | 0.0930 | 119 | 2.48 | 3% | 0 |
| 005.00 | Ash, | 413 | 7.1000 | 0.0000 | 6.5891 | 0.1862 | 0.0930 | 119 | 2.74 | 4% | 0 |
| 005.00 | Ash, | 852 | 7.5900 | 0.1800 | 6.5891 | 0.1862 | 0.0930 | 119 | 5.38 | 8% | 0 |
| 005.00 | Ash, | 27 | 6.4500 | 0.3800 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.75 | 1% | 1 |
| 005.00 | Ash, | 810 | 6.2950 | 0.1500 | 6.5891 | 0.1862 | 0.0930 | 119 | -1.58 | 2% | 8 |
| 005.00 | Ash, | 750 | 6.3150 | 0.0700 | 6.5891 | 0.1862 | 0.0930 | 119 | -1.47 | 2% | 8 |
| 005.00 | Ash, | 803 | 6.3600 | 0.1600 | 6.5891 | 0.1862 | 0.0930 | 119 | -1.23 | 2% | 8 |
| 005.00 | Ash, | 796 | 6.3700 | 0.0800 | 6.5891 | 0.1862 | 0.0930 | 119 | -1.18 | 2% | 8 |
| 005.00 | Ash, | 817 | 6.3700 | 0.0800 | 6.5891 | 0.1862 | 0.0930 | 119 | -1.18 | 2% | 8 |
| 005.00 | Ash, | 774 | 6.4050 | 0.0900 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.99 | 1% | 8 |
| 005.00 | Ash, | 829 | 6.4100 | 0.0200 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.96 | 1% | 8 |
| 005.00 | Ash, | 732 | 6.4350 | 0.0100 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.83 | 1% | 8 |
| 005.00 | Ash, | 804 | 6.4400 | 0.0200 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.80 | 1% | 8 |
| 005.00 | Ash, | 834 | 6.4500 | 0.0000 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.75 | 1% | 8 |
| 005.00 | Ash, | 797 | 6.4600 | 0.1600 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.69 | 1% | 8 |
| 005.00 | Ash, | 800 | 6.4600 | 0.1200 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.69 | 1% | 8 |
| 005.00 | Ash, | 811 | 6.4650 | 0.0900 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.67 | 1% | 8 |
| 005.00 | Ash, | 758 | 6.4750 | 0.0500 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.61 | 1% | 8 |
| 005.00 | Ash, | 806 | 6.4750 | 0.0900 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.61 | 1% | 8 |
| 005.00 | Ash, | 818 | 6.4750 | 0.0100 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.61 | 1% | 8 |
| 005.00 | Ash, | 736 | 6.4800 | 0.1600 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.59 | 1% | 8 |
| 005.00 | Ash, | 805 | 6.4850 | 0.0500 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.56 | 1% | 8 |
| 005.00 | Ash, | 756 | 6.4900 | 0.1200 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.53 | 1% | 8 |
| 005.00 | Ash, | 816 | 6.5000 | 0.0000 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.48 | 1% | 8 |
| 005.00 | Ash, | 813 | 6.5050 | 0.0100 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.45 | 1% | 8 |
| 005.00 | Ash, | 776 | 6.5200 | 0.0400 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.37 | 1% | 8 |
| 005.00 | Ash, | 745 | 6.5250 | 0.0900 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.34 | 0% | 8 |
| 005.00 | Ash, | 808 | 6.5250 | 0.3100 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.34 | 0% | 8 |
| 005.00 | Ash, | 777 | 6.5300 | 0.1000 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.32 | 0% | 8 |
| 005.00 | Ash, | 742 | 6.5350 | 0.0500 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.29 | 0% | 8 |
| 005.00 | Ash, | 751 | 6.5350 | 0.1100 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.29 | 0% | 8 |
| 005.00 | Ash, | 782 | 6.5350 | 0.1300 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.29 | 0% | 8 |
| 005.00 | Ash, | 762 | 6.5400 | 0.0400 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.26 | 0% | 8 |
| 005.00 | Ash, | 749 | 6.5400 | 0.1000 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.26 | 0% | 8 |
| 005.00 | Ash, | 744 | 6.5500 | 0.0000 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.21 | 0% | 8 |
| 005.00 | Ash, | 785 | 6.5500 | 0.0800 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.21 | 0% | 8 |
| 005.00 | Ash, | 798 | 6.5500 | 0.0400 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.21 | 0% | 8 |
| 005.00 | Ash, | 761 | 6.5550 | 0.3300 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.18 | 0% | 8 |
| 005.00 | Ash, | 775 | 6.5550 | 0.0100 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.18 | 0% | 8 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|-------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 005.00 | Ash, | 778 | 6.5600 | 0.1200 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.16 | 0% | 8 |
| 005.00 | Ash, | 784 | 6.5850 | 0.0500 | 6.5891 | 0.1862 | 0.0930 | 119 | -0.02 | 0% | 8 |
| 005.00 | Ash, | 735 | 6.5900 | 0.0600 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.00 | 0% | 8 |
| 005.00 | Ash, | 759 | 6.6000 | 0.1200 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.06 | 0% | 8 |
| 005.00 | Ash, | 755 | 6.6050 | 0.0300 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.09 | 0% | 8 |
| 005.00 | Ash, | 740 | 6.6100 | 0.0600 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.11 | 0% | 8 |
| 005.00 | Ash, | 753 | 6.6100 | 0.1400 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.11 | 0% | 8 |
| 005.00 | Ash, | 734 | 6.6150 | 0.1300 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.14 | 0% | 8 |
| 005.00 | Ash, | 760 | 6.6200 | 0.0400 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.17 | 0% | 8 |
| 005.00 | Ash, | 815 | 6.6300 | 0.0200 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.22 | 0% | 8 |
| 005.00 | Ash, | 807 | 6.6400 | 0.1600 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.27 | 0% | 8 |
| 005.00 | Ash, | 741 | 6.6550 | 0.3700 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.35 | 1% | 8 |
| 005.00 | Ash, | 747 | 6.6550 | 0.0300 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.35 | 1% | 8 |
| 005.00 | Ash, | 754 | 6.6650 | 0.1100 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.41 | 1% | 8 |
| 005.00 | Ash, | 835 | 6.6650 | 0.0300 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.41 | 1% | 8 |
| 005.00 | Ash, | 771 | 6.6800 | 0.0400 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.49 | 1% | 8 |
| 005.00 | Ash, | 814 | 6.7100 | 0.1800 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.65 | 1% | 8 |
| 005.00 | Ash, | 822 | 6.7100 | 0.2800 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.65 | 1% | 8 |
| 005.00 | Ash, | 757 | 6.7250 | 0.2100 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.73 | 1% | 8 |
| 005.00 | Ash, | 746 | 6.7300 | 0.0000 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.76 | 1% | 8 |
| 005.00 | Ash, | 767 | 6.7350 | 0.0700 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.78 | 1% | 8 |
| 005.00 | Ash, | 828 | 6.7650 | 0.0100 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.94 | 1% | 8 |
| 005.00 | Ash, | 765 | 6.7700 | 0.1600 | 6.5891 | 0.1862 | 0.0930 | 119 | 0.97 | 1% | 8 |
| 005.00 | Ash, | 769 | 6.7750 | 0.0500 | 6.5891 | 0.1862 | 0.0930 | 119 | 1.00 | 1% | 8 |
| 005.00 | Ash, | 819 | 6.7950 | 0.0100 | 6.5891 | 0.1862 | 0.0930 | 119 | 1.11 | 2% | 8 |
| 005.00 | Ash, | 772 | 6.8100 | 0.1000 | 6.5891 | 0.1862 | 0.0930 | 119 | 1.19 | 2% | 8 |
| 005.00 | Ash, | 739 | 6.8350 | 0.2700 | 6.5891 | 0.1862 | 0.0930 | 119 | 1.32 | 2% | 8 |
| 005.00 | Ash, | 748 | 6.8650 | 0.0100 | 6.5891 | 0.1862 | 0.0930 | 119 | 1.48 | 2% | 8 |
| 005.02 | Ash, LECO | 610 | 6.6750 | 0.0700 | | | 0.0700 | 1 | | | |
| 005.03 | Ash, Microwave furnace | 665 | 6.6450 | 0.0100 | | | 0.0100 | 1 | | | |
| 005.05 | Ash, 3h @ 550°C | 883 | 5.5450 | 0.0100 | 6.7858 | 0.2737 | 0.0344 | 14 | -4.53 | 9% | 0 |
| 005.05 | Ash, 3h @ 550°C | 294 | 6.2000 | 0.0000 | 6.7858 | 0.2737 | 0.0344 | 14 | -2.14 | 4% | 0 |
| 005.05 | Ash, 3h @ 550°C | 121 | 6.5525 | 0.0390 | 6.7858 | 0.2737 | 0.0344 | 14 | -0.85 | 2% | 0 |
| 005.05 | Ash, 3h @ 550°C | 631 | 6.6100 | 0.1000 | 6.7858 | 0.2737 | 0.0344 | 14 | -0.64 | 1% | 0 |
| 005.05 | Ash, 3h @ 550°C | 695 | 6.7000 | 0.0200 | 6.7858 | 0.2737 | 0.0344 | 14 | -0.31 | 1% | 0 |
| 005.05 | Ash, 3h @ 550°C | 345 | 6.7200 | 0.0400 | 6.7858 | 0.2737 | 0.0344 | 14 | -0.24 | 0% | 0 |
| 005.05 | Ash, 3h @ 550°C | 33 | 6.7500 | 0.0600 | 6.7858 | 0.2737 | 0.0344 | 14 | -0.13 | 0% | 0 |
| 005.05 | Ash, 3h @ 550°C | 588 | 6.8200 | 0.0200 | 6.7858 | 0.2737 | 0.0344 | 14 | 0.12 | 0% | 0 |
| 005.05 | Ash, 3h @ 550°C | 871 | 6.8800 | 0.0200 | 6.7858 | 0.2737 | 0.0344 | 14 | 0.34 | 1% | 0 |
| 005.05 | Ash, 3h @ 550°C | 866 | 6.9040 | 0.0720 | 6.7858 | 0.2737 | 0.0344 | 14 | 0.43 | 1% | 0 |
| 005.05 | Ash, 3h @ 550°C | 868 | 6.9500 | 0.0600 | 6.7858 | 0.2737 | 0.0344 | 14 | 0.60 | 1% | 0 |
| 005.05 | Ash, 3h @ 550°C | 878 | 6.9750 | 0.0100 | 6.7858 | 0.2737 | 0.0344 | 14 | 0.69 | 1% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|------------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 005.05 | Ash, 3h @ 550°C | 882 | 7.2500 | 0.0200 | 6.7858 | 0.2737 | 0.0344 | 14 | 1.70 | 3% | 0 |
| 005.05 | Ash, 3h @ 550°C | 861 | 7.2750 | 0.0100 | 6.7858 | 0.2737 | 0.0344 | 14 | 1.79 | 4% | 0 |
| 005.11 | Ash, NIR | 731 | 6.7050 | 0.1300 | 7.2293 | 0.4788 | 0.1606 | 7 | -1.09 | 4% | 0 |
| 005.11 | Ash, NIR | 727 | 6.9251 | 0.2842 | 7.2293 | 0.4788 | 0.1606 | 7 | -0.64 | 2% | 0 |
| 005.11 | Ash, NIR | 588 | 6.9500 | 0.2000 | 7.2293 | 0.4788 | 0.1606 | 7 | -0.58 | 2% | 0 |
| 005.11 | Ash, NIR | 720 | 7.2150 | 0.0300 | 7.2293 | 0.4788 | 0.1606 | 7 | -0.03 | 0% | 0 |
| 005.11 | Ash, NIR | 713 | 7.2450 | 0.0500 | 7.2293 | 0.4788 | 0.1606 | 7 | 0.03 | 0% | 0 |
| 005.11 | Ash, NIR | 631 | 7.7050 | 0.2300 | 7.2293 | 0.4788 | 0.1606 | 7 | 0.99 | 3% | 0 |
| 005.11 | Ash, NIR | 178 | 8.4000 | 0.2000 | 7.2293 | 0.4788 | 0.1606 | 7 | 2.44 | 8% | 0 |
| 005.99 | Ash, Miscellaneous | 574 | 6.4450 | 0.1300 | 6.7644 | 0.1888 | 0.1420 | 10 | -1.69 | 2% | 0 |
| 005.99 | Ash, Miscellaneous | 536 | 6.5300 | 0.0000 | 6.7644 | 0.1888 | 0.1420 | 10 | -1.24 | 2% | 0 |
| 005.99 | Ash, Miscellaneous | 546 | 6.6700 | 0.2600 | 6.7644 | 0.1888 | 0.1420 | 10 | -0.50 | 1% | 0 |
| 005.99 | Ash, Miscellaneous | 728 | 6.7100 | 0.4400 | 6.7644 | 0.1888 | 0.1420 | 10 | -0.29 | 0% | 0 |
| 005.99 | Ash, Miscellaneous | 673 | 6.7500 | 0.1000 | 6.7644 | 0.1888 | 0.1420 | 10 | -0.08 | 0% | 0 |
| 005.99 | Ash, Miscellaneous | 727 | 6.7950 | 0.0900 | 6.7644 | 0.1888 | 0.1420 | 10 | 0.16 | 0% | 0 |
| 005.99 | Ash, Miscellaneous | 681 | 6.8050 | 0.0300 | 6.7644 | 0.1888 | 0.1420 | 10 | 0.22 | 0% | 0 |
| 005.99 | Ash, Miscellaneous | 652 | 6.9000 | 0.2000 | 6.7644 | 0.1888 | 0.1420 | 10 | 0.72 | 1% | 0 |
| 005.99 | Ash, Miscellaneous | 676 | 6.9390 | 0.1500 | 6.7644 | 0.1888 | 0.1420 | 10 | 0.92 | 1% | 0 |
| 005.99 | Ash, Miscellaneous | 202 | 7.2500 | 0.0200 | 6.7644 | 0.1888 | 0.1420 | 10 | 2.57 | 4% | 0 |
| 006.99 | Sugar, Miscellaneous | 720 | 4.1400 | 0.0800 | | | 0.0800 | 1 | | | |
| 008.02 | Fiber, Acid Detergent | 590 | 30.0000 | 1.2000 | 32.6979 | 0.5104 | 0.5557 | 14 | -5.29 | 4% | 0 |
| 008.02 | Fiber, Acid Detergent | 98 | 32.2000 | 0.6000 | 32.6979 | 0.5104 | 0.5557 | 14 | -0.98 | 1% | 0 |
| 008.02 | Fiber, Acid Detergent | 619 | 32.3500 | 0.3000 | 32.6979 | 0.5104 | 0.5557 | 14 | -0.68 | 1% | 0 |
| 008.02 | Fiber, Acid Detergent | 405 | 32.3800 | 0.0400 | 32.6979 | 0.5104 | 0.5557 | 14 | -0.62 | 0% | 0 |
| 008.02 | Fiber, Acid Detergent | 868 | 32.4400 | 0.8000 | 32.6979 | 0.5104 | 0.5557 | 14 | -0.51 | 0% | 0 |
| 008.02 | Fiber, Acid Detergent | 226 | 32.4500 | 0.3000 | 32.6979 | 0.5104 | 0.5557 | 14 | -0.49 | 0% | 0 |
| 008.02 | Fiber, Acid Detergent | 35 | 32.4800 | 0.0400 | 32.6979 | 0.5104 | 0.5557 | 14 | -0.43 | 0% | 0 |
| 008.02 | Fiber, Acid Detergent | 309 | 32.6050 | 1.5100 | 32.6979 | 0.5104 | 0.5557 | 14 | -0.18 | 0% | 0 |
| 008.02 | Fiber, Acid Detergent | 504 | 32.8200 | 0.8800 | 32.6979 | 0.5104 | 0.5557 | 14 | 0.24 | 0% | 0 |
| 008.02 | Fiber, Acid Detergent | 728 | 33.1850 | 0.1100 | 32.6979 | 0.5104 | 0.5557 | 14 | 0.95 | 1% | 0 |
| 008.02 | Fiber, Acid Detergent | 864 | 33.3650 | 1.3300 | 32.6979 | 0.5104 | 0.5557 | 14 | 1.31 | 1% | 0 |
| 008.02 | Fiber, Acid Detergent | 353 | 33.5350 | 0.4700 | 32.6979 | 0.5104 | 0.5557 | 14 | 1.64 | 1% | 0 |
| 008.02 | Fiber, Acid Detergent | 675 | 33.7800 | 0.1600 | 32.6979 | 0.5104 | 0.5557 | 14 | 2.12 | 2% | 0 |
| 008.02 | Fiber, Acid Detergent | 187 | 34.4500 | 0.0400 | 32.6979 | 0.5104 | 0.5557 | 14 | 3.43 | 3% | 0 |
| 008.02 | Fiber, Acid Detergent | 38 | 33.4250 | 2.8300 | 32.6979 | 0.5104 | 0.5557 | 14 | 1.42 | 1% | 1 |
| 008.05 | Fiber, Acid Detergent-Hach | 265 | 33.3000 | 0.2000 | | | 0.2000 | 1 | | | |
| 008.08 | Fiber, Acid Detergent, ANKOM | 686 | 26.6850 | 1.1700 | 31.8549 | 1.6075 | 0.6667 | 24 | -3.22 | 8% | 0 |
| 008.08 | Fiber, Acid Detergent, ANKOM | 882 | 29.4500 | 0.4600 | 31.8549 | 1.6075 | 0.6667 | 24 | -1.50 | 4% | 0 |
| 008.08 | Fiber, Acid Detergent, ANKOM | 294 | 30.2250 | 0.3100 | 31.8549 | 1.6075 | 0.6667 | 24 | -1.01 | 3% | 0 |
| 008.08 | Fiber, Acid Detergent, ANKOM | 26 | 30.2900 | 0.3600 | 31.8549 | 1.6075 | 0.6667 | 24 | -0.97 | 2% | 0 |
| 008.08 | Fiber, Acid Detergent, ANKOM | 164 | 30.5500 | 0.5000 | 31.8549 | 1.6075 | 0.6667 | 24 | -0.81 | 2% | 0 |
| 008.08 | Fiber, Acid Detergent, ANKOM | 358 | 30.6850 | 0.3500 | 31.8549 | 1.6075 | 0.6667 | 24 | -0.73 | 2% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|-------------------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 008.08 | Fiber, Acid Detergent, ANKOM | 870 | 30.7015 | 0.5710 | 31.8549 | 1.6075 | 0.6667 | 24 | -0.72 | 2% | 0 |
| 008.08 | Fiber, Acid Detergent, ANKOM | 357 | 31.0500 | 0.5000 | 31.8549 | 1.6075 | 0.6667 | 24 | -0.50 | 1% | 0 |
| 008.08 | Fiber, Acid Detergent, ANKOM | 413 | 31.5000 | 1.4000 | 31.8549 | 1.6075 | 0.6667 | 24 | -0.22 | 1% | 0 |
| 008.08 | Fiber, Acid Detergent, ANKOM | 581 | 31.5200 | 0.6600 | 31.8549 | 1.6075 | 0.6667 | 24 | -0.21 | 1% | 0 |
| 008.08 | Fiber, Acid Detergent, ANKOM | 179 | 31.5650 | 0.8900 | 31.8549 | 1.6075 | 0.6667 | 24 | -0.18 | 0% | 0 |
| 008.08 | Fiber, Acid Detergent, ANKOM | 354 | 31.6150 | 0.1500 | 31.8549 | 1.6075 | 0.6667 | 24 | -0.15 | 0% | 0 |
| 008.08 | Fiber, Acid Detergent, ANKOM | 37 | 31.7450 | 0.0700 | 31.8549 | 1.6075 | 0.6667 | 24 | -0.07 | 0% | 0 |
| 008.08 | Fiber, Acid Detergent, ANKOM | 4 | 31.9050 | 0.9900 | 31.8549 | 1.6075 | 0.6667 | 24 | 0.03 | 0% | 0 |
| 008.08 | Fiber, Acid Detergent, ANKOM | 148 | 32.0000 | 0.0000 | 31.8549 | 1.6075 | 0.6667 | 24 | 0.09 | 0% | 0 |
| 008.08 | Fiber, Acid Detergent, ANKOM | 45 | 32.2000 | 0.6000 | 31.8549 | 1.6075 | 0.6667 | 24 | 0.21 | 1% | 0 |
| 008.08 | Fiber, Acid Detergent, ANKOM | 33 | 32.6500 | 1.5000 | 31.8549 | 1.6075 | 0.6667 | 24 | 0.49 | 1% | 0 |
| 008.08 | Fiber, Acid Detergent, ANKOM | 1 | 33.0000 | 0.1400 | 31.8549 | 1.6075 | 0.6667 | 24 | 0.71 | 2% | 0 |
| 008.08 | Fiber, Acid Detergent, ANKOM | 83 | 33.0550 | 0.1900 | 31.8549 | 1.6075 | 0.6667 | 24 | 0.75 | 2% | 0 |
| 008.08 | Fiber, Acid Detergent, ANKOM | 106 | 33.5650 | 1.7700 | 31.8549 | 1.6075 | 0.6667 | 24 | 1.06 | 3% | 0 |
| 008.08 | Fiber, Acid Detergent, ANKOM | 160 | 33.7550 | 2.3500 | 31.8549 | 1.6075 | 0.6667 | 24 | 1.18 | 3% | 0 |
| 008.08 | Fiber, Acid Detergent, ANKOM | 297 | 33.9600 | 0.0800 | 31.8549 | 1.6075 | 0.6667 | 24 | 1.31 | 3% | 0 |
| 008.08 | Fiber, Acid Detergent, ANKOM | 510 | 34.1000 | 0.2000 | 31.8549 | 1.6075 | 0.6667 | 24 | 1.40 | 4% | 0 |
| 008.08 | Fiber, Acid Detergent, ANKOM | 202 | 35.7050 | 0.7900 | 31.8549 | 1.6075 | 0.6667 | 24 | 2.40 | 6% | 0 |
| 008.99 | Fiber, Acid Detergent Miscellaneous | 720 | 21.9700 | 0.1400 | 26.7565 | 3.9680 | 0.6495 | 4 | -1.21 | 9% | 0 |
| 008.99 | Fiber, Acid Detergent Miscellaneous | 613 | 25.0400 | 1.0600 | 26.7565 | 3.9680 | 0.6495 | 4 | -0.43 | 3% | 0 |
| 008.99 | Fiber, Acid Detergent Miscellaneous | 676 | 29.6660 | 0.0980 | 26.7565 | 3.9680 | 0.6495 | 4 | 0.73 | 5% | 0 |
| 008.99 | Fiber, Acid Detergent Miscellaneous | 610 | 30.3500 | 1.3000 | 26.7565 | 3.9680 | 0.6495 | 4 | 0.91 | 7% | 0 |
| 009.04 | Fiber, Neutral Det-No ENZ Pretreat | 504 | 46.8650 | 0.5100 | | | 0.5100 | 1 | | | |
| 009.07 | Fiber, Neutral Det-ENZ Pretreat | 309 | 43.1900 | 0.2800 | 45.4517 | 0.9374 | 0.9186 | 7 | -2.41 | 2% | 0 |
| 009.07 | Fiber, Neutral Det-ENZ Pretreat | 226 | 44.9000 | 0.4000 | 45.4517 | 0.9374 | 0.9186 | 7 | -0.59 | 1% | 0 |
| 009.07 | Fiber, Neutral Det-ENZ Pretreat | 353 | 44.9900 | 0.3000 | 45.4517 | 0.9374 | 0.9186 | 7 | -0.49 | 1% | 0 |
| 009.07 | Fiber, Neutral Det-ENZ Pretreat | 675 | 45.6950 | 0.1500 | 45.4517 | 0.9374 | 0.9186 | 7 | 0.26 | 0% | 0 |
| 009.07 | Fiber, Neutral Det-ENZ Pretreat | 45 | 45.7000 | 2.2000 | 45.4517 | 0.9374 | 0.9186 | 7 | 0.26 | 0% | 0 |
| 009.07 | Fiber, Neutral Det-ENZ Pretreat | 590 | 46.3500 | 1.7000 | 45.4517 | 0.9374 | 0.9186 | 7 | 0.96 | 1% | 0 |
| 009.07 | Fiber, Neutral Det-ENZ Pretreat | 98 | 46.4000 | 1.4000 | 45.4517 | 0.9374 | 0.9186 | 7 | 1.01 | 1% | 0 |
| 009.09 | Fiber, Neutral Detergent, ANKOM | 581 | 31.5200 | 0.6600 | 44.8688 | 2.1905 | 0.6411 | 18 | -6.09 | 15% | 0 |
| 009.09 | Fiber, Neutral Detergent, ANKOM | 294 | 40.4100 | 0.3800 | 44.8688 | 2.1905 | 0.6411 | 18 | -2.04 | 5% | 0 |
| 009.09 | Fiber, Neutral Detergent, ANKOM | 164 | 42.0500 | 0.1000 | 44.8688 | 2.1905 | 0.6411 | 18 | -1.29 | 3% | 0 |
| 009.09 | Fiber, Neutral Detergent, ANKOM | 413 | 43.2500 | 0.1000 | 44.8688 | 2.1905 | 0.6411 | 18 | -0.74 | 2% | 0 |
| 009.09 | Fiber, Neutral Detergent, ANKOM | 686 | 43.3350 | 1.1700 | 44.8688 | 2.1905 | 0.6411 | 18 | -0.70 | 2% | 0 |
| 009.09 | Fiber, Neutral Detergent, ANKOM | 160 | 43.5350 | 1.4520 | 44.8688 | 2.1905 | 0.6411 | 18 | -0.61 | 1% | 0 |
| 009.09 | Fiber, Neutral Detergent, ANKOM | 37 | 44.3050 | 0.0500 | 44.8688 | 2.1905 | 0.6411 | 18 | -0.26 | 1% | 0 |
| 009.09 | Fiber, Neutral Detergent, ANKOM | 882 | 44.8000 | 0.3600 | 44.8688 | 2.1905 | 0.6411 | 18 | -0.03 | 0% | 0 |
| 009.09 | Fiber, Neutral Detergent, ANKOM | 83 | 44.8800 | 1.1200 | 44.8688 | 2.1905 | 0.6411 | 18 | 0.01 | 0% | 0 |
| 009.09 | Fiber, Neutral Detergent, ANKOM | 354 | 45.2950 | 0.7900 | 44.8688 | 2.1905 | 0.6411 | 18 | 0.19 | 0% | 0 |
| 009.09 | Fiber, Neutral Detergent, ANKOM | 357 | 45.5500 | 0.7000 | 44.8688 | 2.1905 | 0.6411 | 18 | 0.31 | 1% | 0 |
| 009.09 | Fiber, Neutral Detergent, ANKOM | 106 | 45.7950 | 1.2700 | 44.8688 | 2.1905 | 0.6411 | 18 | 0.42 | 1% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|----------------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 009.09 | Fiber, Neutral Detergent, ANKOM | 510 | 46.0500 | 0.3000 | 44.8688 | 2.1905 | 0.6411 | 18 | 0.54 | 1% | 0 |
| 009.09 | Fiber, Neutral Detergent, ANKOM | 179 | 46.3500 | 0.1400 | 44.8688 | 2.1905 | 0.6411 | 18 | 0.68 | 2% | 0 |
| 009.09 | Fiber, Neutral Detergent, ANKOM | 297 | 46.5400 | 1.5600 | 44.8688 | 2.1905 | 0.6411 | 18 | 0.76 | 2% | 0 |
| 009.09 | Fiber, Neutral Detergent, ANKOM | 870 | 47.1079 | 0.7771 | 44.8688 | 2.1905 | 0.6411 | 18 | 1.02 | 2% | 0 |
| 009.09 | Fiber, Neutral Detergent, ANKOM | 265 | 47.1500 | 0.1000 | 44.8688 | 2.1905 | 0.6411 | 18 | 1.04 | 3% | 0 |
| 009.09 | Fiber, Neutral Detergent, ANKOM | 202 | 50.0650 | 0.5100 | 44.8688 | 2.1905 | 0.6411 | 18 | 2.37 | 6% | 0 |
| 009.99 | Fiber, Neutral Det Miscellaneous | 720 | 37.1950 | 0.0100 | 45.2643 | 2.4183 | 0.7100 | 6 | -3.34 | 9% | 0 |
| 009.99 | Fiber, Neutral Det Miscellaneous | 610 | 44.5000 | 0.4000 | 45.2643 | 2.4183 | 0.7100 | 6 | -0.32 | 1% | 0 |
| 009.99 | Fiber, Neutral Det Miscellaneous | 728 | 44.8550 | 1.8500 | 45.2643 | 2.4183 | 0.7100 | 6 | -0.17 | 0% | 0 |
| 009.99 | Fiber, Neutral Det Miscellaneous | 676 | 45.0880 | 0.7000 | 45.2643 | 2.4183 | 0.7100 | 6 | -0.07 | 0% | 0 |
| 009.99 | Fiber, Neutral Det Miscellaneous | 619 | 47.2000 | 0.2000 | 45.2643 | 2.4183 | 0.7100 | 6 | 0.80 | 2% | 0 |
| 009.99 | Fiber, Neutral Det Miscellaneous | 613 | 49.0600 | 1.1000 | 45.2643 | 2.4183 | 0.7100 | 6 | 1.57 | 4% | 0 |
| 010.03 | Moisture, Karl-Fischer | 546 | 4.3922 | 1.0525 | 4.5736 | 0.2566 | 0.5713 | 2 | -0.71 | 2% | 0 |
| 010.03 | Moisture, Karl-Fischer | 826 | 4.7550 | 0.0900 | 4.5736 | 0.2566 | 0.5713 | 2 | 0.71 | 2% | 0 |
| 010.11 | Moisture, NIR | 713 | 6.8150 | 0.0100 | 7.2921 | 0.5067 | 0.0939 | 8 | -0.94 | 3% | 0 |
| 010.11 | Moisture, NIR | 588 | 6.8200 | 0.0200 | 7.2921 | 0.5067 | 0.0939 | 8 | -0.93 | 3% | 0 |
| 010.11 | Moisture, NIR | 631 | 6.9200 | 0.1400 | 7.2921 | 0.5067 | 0.0939 | 8 | -0.73 | 3% | 0 |
| 010.11 | Moisture, NIR | 727 | 7.1713 | 0.1864 | 7.2921 | 0.5067 | 0.0939 | 8 | -0.24 | 1% | 0 |
| 010.11 | Moisture, NIR | 178 | 7.4000 | 0.0000 | 7.2921 | 0.5067 | 0.0939 | 8 | 0.21 | 1% | 0 |
| 010.11 | Moisture, NIR | 38 | 7.4385 | 0.2250 | 7.2921 | 0.5067 | 0.0939 | 8 | 0.29 | 1% | 0 |
| 010.11 | Moisture, NIR | 731 | 7.7200 | 0.1600 | 7.2921 | 0.5067 | 0.0939 | 8 | 0.84 | 3% | 0 |
| 010.11 | Moisture, NIR | 720 | 8.4150 | 0.0100 | 7.2921 | 0.5067 | 0.0939 | 8 | 2.22 | 8% | 0 |
| 010.99 | Moisture, Miscellaneous | 712 | 6.5950 | 0.2700 | 7.4658 | 0.4471 | 0.1354 | 14 | -1.95 | 6% | 0 |
| 010.99 | Moisture, Miscellaneous | 613 | 6.7800 | 0.5600 | 7.4658 | 0.4471 | 0.1354 | 14 | -1.53 | 5% | 0 |
| 010.99 | Moisture, Miscellaneous | 866 | 7.0480 | 0.0760 | 7.4658 | 0.4471 | 0.1354 | 14 | -0.93 | 3% | 0 |
| 010.99 | Moisture, Miscellaneous | 631 | 7.1650 | 0.0300 | 7.4658 | 0.4471 | 0.1354 | 14 | -0.67 | 2% | 0 |
| 010.99 | Moisture, Miscellaneous | 852 | 7.3050 | 0.0700 | 7.4658 | 0.4471 | 0.1354 | 14 | -0.36 | 1% | 0 |
| 010.99 | Moisture, Miscellaneous | 665 | 7.3350 | 0.0700 | 7.4658 | 0.4471 | 0.1354 | 14 | -0.29 | 1% | 0 |
| 010.99 | Moisture, Miscellaneous | 529 | 7.4700 | 0.0200 | 7.4658 | 0.4471 | 0.1354 | 14 | 0.01 | 0% | 0 |
| 010.99 | Moisture, Miscellaneous | 871 | 7.5050 | 0.0100 | 7.4658 | 0.4471 | 0.1354 | 14 | 0.09 | 0% | 0 |
| 010.99 | Moisture, Miscellaneous | 652 | 7.6500 | 0.1000 | 7.4658 | 0.4471 | 0.1354 | 14 | 0.41 | 1% | 0 |
| 010.99 | Moisture, Miscellaneous | 405 | 7.6750 | 0.0500 | 7.4658 | 0.4471 | 0.1354 | 14 | 0.47 | 1% | 0 |
| 010.99 | Moisture, Miscellaneous | 716 | 7.7350 | 0.0500 | 7.4658 | 0.4471 | 0.1354 | 14 | 0.60 | 2% | 0 |
| 010.99 | Moisture, Miscellaneous | 673 | 7.9000 | 0.0000 | 7.4658 | 0.4471 | 0.1354 | 14 | 0.97 | 3% | 0 |
| 010.99 | Moisture, Miscellaneous | 164 | 7.9050 | 0.5500 | 7.4658 | 0.4471 | 0.1354 | 14 | 0.98 | 3% | 0 |
| 010.99 | Moisture, Miscellaneous | 883 | 10.7900 | 0.0400 | 7.4658 | 0.4471 | 0.1354 | 14 | 7.43 | 22% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 294 | 7.2900 | 0.0200 | 8.4038 | 0.3364 | 0.0994 | 81 | -3.31 | 7% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 591 | 7.3200 | 0.0200 | 8.4038 | 0.3364 | 0.0994 | 81 | -3.22 | 6% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 859 | 7.4215 | 0.1170 | 8.4038 | 0.3364 | 0.0994 | 81 | -2.92 | 6% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 874 | 7.6050 | 0.0300 | 8.4038 | 0.3364 | 0.0994 | 81 | -2.37 | 5% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 596 | 7.7000 | 0.0000 | 8.4038 | 0.3364 | 0.0994 | 81 | -2.09 | 4% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 407 | 7.7450 | 0.0100 | 8.4038 | 0.3364 | 0.0994 | 81 | -1.96 | 4% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|-----------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 011.01 | Loss on Drying, 135 deg 2hr | 160 | 7.8950 | 0.2100 | 8.4038 | 0.3364 | 0.0994 | 81 | -1.51 | 3% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 660 | 7.9450 | 0.3100 | 8.4038 | 0.3364 | 0.0994 | 81 | -1.36 | 3% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 175 | 7.9500 | 0.3000 | 8.4038 | 0.3364 | 0.0994 | 81 | -1.35 | 3% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 51 | 7.9650 | 0.0100 | 8.4038 | 0.3364 | 0.0994 | 81 | -1.30 | 3% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 34 | 7.9700 | 0.0600 | 8.4038 | 0.3364 | 0.0994 | 81 | -1.29 | 3% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 152 | 8.0000 | 0.2000 | 8.4038 | 0.3364 | 0.0994 | 81 | -1.20 | 2% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 552 | 8.0200 | 0.0200 | 8.4038 | 0.3364 | 0.0994 | 81 | -1.14 | 2% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 62 | 8.0230 | 0.0700 | 8.4038 | 0.3364 | 0.0994 | 81 | -1.13 | 2% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 713 | 8.0500 | 0.2200 | 8.4038 | 0.3364 | 0.0994 | 81 | -1.05 | 2% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 179 | 8.0700 | 0.0600 | 8.4038 | 0.3364 | 0.0994 | 81 | -0.99 | 2% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 650 | 8.0900 | 0.1000 | 8.4038 | 0.3364 | 0.0994 | 81 | -0.93 | 2% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 682 | 8.1000 | 0.1200 | 8.4038 | 0.3364 | 0.0994 | 81 | -0.90 | 2% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 809 | 8.1250 | 0.0100 | 8.4038 | 0.3364 | 0.0994 | 81 | -0.83 | 2% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 674 | 8.1450 | 0.1500 | 8.4038 | 0.3364 | 0.0994 | 81 | -0.77 | 2% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 728 | 8.1700 | 0.0800 | 8.4038 | 0.3364 | 0.0994 | 81 | -0.70 | 1% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 202 | 8.1900 | 0.1600 | 8.4038 | 0.3364 | 0.0994 | 81 | -0.64 | 1% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 100 | 8.1950 | 0.2700 | 8.4038 | 0.3364 | 0.0994 | 81 | -0.62 | 1% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 4 | 8.2450 | 0.0300 | 8.4038 | 0.3364 | 0.0994 | 81 | -0.47 | 1% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 148 | 8.3100 | 0.0600 | 8.4038 | 0.3364 | 0.0994 | 81 | -0.28 | 1% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 620 | 8.3170 | 0.2902 | 8.4038 | 0.3364 | 0.0994 | 81 | -0.26 | 1% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 723 | 8.3350 | 0.0300 | 8.4038 | 0.3364 | 0.0994 | 81 | -0.20 | 0% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 539 | 8.3400 | 0.0600 | 8.4038 | 0.3364 | 0.0994 | 81 | -0.19 | 0% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 510 | 8.3500 | 0.1000 | 8.4038 | 0.3364 | 0.0994 | 81 | -0.16 | 0% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 812 | 8.3550 | 0.0500 | 8.4038 | 0.3364 | 0.0994 | 81 | -0.15 | 0% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 722 | 8.3594 | 0.0179 | 8.4038 | 0.3364 | 0.0994 | 81 | -0.13 | 0% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 298 | 8.3600 | 0.0200 | 8.4038 | 0.3364 | 0.0994 | 81 | -0.13 | 0% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 848 | 8.3750 | 0.1300 | 8.4038 | 0.3364 | 0.0994 | 81 | -0.09 | 0% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 623 | 8.3774 | 0.0331 | 8.4038 | 0.3364 | 0.0994 | 81 | -0.08 | 0% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 26 | 8.3800 | 0.0400 | 8.4038 | 0.3364 | 0.0994 | 81 | -0.07 | 0% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 670 | 8.3850 | 0.0300 | 8.4038 | 0.3364 | 0.0994 | 81 | -0.06 | 0% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 265 | 8.4000 | 0.2000 | 8.4038 | 0.3364 | 0.0994 | 81 | -0.01 | 0% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 843 | 8.4000 | 0.1600 | 8.4038 | 0.3364 | 0.0994 | 81 | -0.01 | 0% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 350 | 8.4060 | 0.0120 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.01 | 0% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 763 | 8.4250 | 0.0100 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.06 | 0% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 770 | 8.4250 | 0.0100 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.06 | 0% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 880 | 8.4300 | 0.0400 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.08 | 0% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 242 | 8.4350 | 0.0100 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.09 | 0% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 33 | 8.4450 | 0.0300 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.12 | 0% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 643 | 8.4500 | 0.3000 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.14 | 0% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 205 | 8.4585 | 0.1590 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.16 | 0% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 8 | 8.4600 | 0.2200 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.17 | 0% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 511 | 8.4600 | 0.2600 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.17 | 0% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|-----------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 011.01 | Loss on Drying, 135 deg 2hr | 830 | 8.4650 | 0.0100 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.18 | 0% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 194 | 8.4850 | 0.0300 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.24 | 0% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 675 | 8.5050 | 0.0500 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.30 | 1% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 98 | 8.5060 | 0.1520 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.30 | 1% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 358 | 8.5100 | 0.4200 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.32 | 1% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 870 | 8.5193 | 0.1425 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.34 | 1% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 171 | 8.5200 | 0.0400 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.35 | 1% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 226 | 8.5500 | 0.1000 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.43 | 1% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 622 | 8.5648 | 0.0204 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.48 | 1% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 164 | 8.5650 | 0.0300 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.48 | 1% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 309 | 8.5900 | 0.0200 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.55 | 1% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 825 | 8.6000 | 0.0000 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.58 | 1% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 651 | 8.6185 | 0.0790 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.64 | 1% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 781 | 8.6334 | 0.0413 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.68 | 1% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 801 | 8.6500 | 0.0600 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.73 | 1% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 144 | 8.6600 | 0.0800 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.76 | 2% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 653 | 8.6900 | 0.0200 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.85 | 2% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 743 | 8.6900 | 0.0000 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.85 | 2% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 553 | 8.6950 | 0.1100 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.87 | 2% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 208 | 8.7000 | 0.0000 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.88 | 2% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 559 | 8.7050 | 0.0500 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.90 | 2% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 354 | 8.7300 | 0.0200 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.97 | 2% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 233 | 8.7500 | 0.2000 | 8.4038 | 0.3364 | 0.0994 | 81 | 1.03 | 2% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 752 | 8.7800 | 0.2200 | 8.4038 | 0.3364 | 0.0994 | 81 | 1.12 | 2% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 541 | 8.8000 | 0.0600 | 8.4038 | 0.3364 | 0.0994 | 81 | 1.18 | 2% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 821 | 8.8400 | 0.0400 | 8.4038 | 0.3364 | 0.0994 | 81 | 1.30 | 3% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 121 | 8.8605 | 0.1170 | 8.4038 | 0.3364 | 0.0994 | 81 | 1.36 | 3% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 833 | 8.9000 | 0.0200 | 8.4038 | 0.3364 | 0.0994 | 81 | 1.47 | 3% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 229 | 8.9650 | 0.1300 | 8.4038 | 0.3364 | 0.0994 | 81 | 1.67 | 3% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 738 | 9.0050 | 0.1100 | 8.4038 | 0.3364 | 0.0994 | 81 | 1.79 | 4% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 108 | 9.0150 | 0.3300 | 8.4038 | 0.3364 | 0.0994 | 81 | 1.82 | 4% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 417 | 9.0450 | 0.3500 | 8.4038 | 0.3364 | 0.0994 | 81 | 1.91 | 4% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 305 | 9.7850 | 0.1500 | 8.4038 | 0.3364 | 0.0994 | 81 | 4.11 | 8% | 0 |
| 011.01 | Loss on Drying, 135 deg 2hr | 520 | 8.3850 | 0.5100 | 8.4038 | 0.3364 | 0.0994 | 81 | -0.06 | 0% | 1 |
| 011.01 | Loss on Drying, 135 deg 2hr | 780 | 8.6450 | 0.5700 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.72 | 1% | 1 |
| 011.01 | Loss on Drying, 135 deg 2hr | 736 | 6.8100 | 0.2400 | 8.4038 | 0.3364 | 0.0994 | 81 | -4.74 | 9% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 808 | 8.2300 | 0.3800 | 8.4038 | 0.3364 | 0.0994 | 81 | -0.52 | 1% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 777 | 8.2600 | 0.1800 | 8.4038 | 0.3364 | 0.0994 | 81 | -0.43 | 1% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 811 | 8.2950 | 0.1100 | 8.4038 | 0.3364 | 0.0994 | 81 | -0.32 | 1% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 765 | 8.3200 | 0.0000 | 8.4038 | 0.3364 | 0.0994 | 81 | -0.25 | 0% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 772 | 8.3300 | 0.0200 | 8.4038 | 0.3364 | 0.0994 | 81 | -0.22 | 0% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 810 | 8.3950 | 0.0100 | 8.4038 | 0.3364 | 0.0994 | 81 | -0.03 | 0% | 8 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|-----------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 011.01 | Loss on Drying, 135 deg 2hr | 760 | 8.4000 | 0.0200 | 8.4038 | 0.3364 | 0.0994 | 81 | -0.01 | 0% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 771 | 8.4200 | 0.0200 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.05 | 0% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 769 | 8.4300 | 0.1400 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.08 | 0% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 774 | 8.4350 | 0.0500 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.09 | 0% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 762 | 8.4400 | 0.0600 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.11 | 0% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 819 | 8.4400 | 0.4400 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.11 | 0% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 759 | 8.4500 | 0.0400 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.14 | 0% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 828 | 8.4500 | 0.0200 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.14 | 0% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 761 | 8.4750 | 0.0300 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.21 | 0% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 767 | 8.4900 | 0.0200 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.26 | 1% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 815 | 8.4950 | 0.0900 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.27 | 1% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 792 | 8.5150 | 0.6700 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.33 | 1% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 735 | 8.5200 | 0.0200 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.35 | 1% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 775 | 8.5200 | 0.0400 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.35 | 1% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 822 | 8.5200 | 0.2400 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.35 | 1% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 776 | 8.5250 | 0.0100 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.36 | 1% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 741 | 8.5400 | 0.0800 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.40 | 1% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 782 | 8.5580 | 0.1250 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.46 | 1% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 742 | 8.5750 | 0.0100 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.51 | 1% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 739 | 8.5950 | 0.0300 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.57 | 1% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 748 | 8.5950 | 0.1900 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.57 | 1% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 823 | 8.6000 | 0.0000 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.58 | 1% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 814 | 8.6050 | 0.0700 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.60 | 1% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 817 | 8.6050 | 0.0300 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.60 | 1% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 813 | 8.6100 | 0.0200 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.61 | 1% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 796 | 8.6250 | 0.0500 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.66 | 1% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 806 | 8.6300 | 0.0000 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.67 | 1% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 803 | 8.6400 | 0.1600 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.70 | 1% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 824 | 8.6500 | 0.1000 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.73 | 1% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 756 | 8.6600 | 0.0000 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.76 | 2% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 745 | 8.6650 | 0.0300 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.78 | 2% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 734 | 8.6800 | 0.0800 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.82 | 2% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 800 | 8.6850 | 0.0100 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.84 | 2% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 744 | 8.7000 | 0.0600 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.88 | 2% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 746 | 8.7000 | 0.0200 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.88 | 2% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 805 | 8.7050 | 0.0700 | 8.4038 | 0.3364 | 0.0994 | 81 | 0.90 | 2% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 807 | 8.7400 | 0.1000 | 8.4038 | 0.3364 | 0.0994 | 81 | 1.00 | 2% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 740 | 8.7500 | 0.1000 | 8.4038 | 0.3364 | 0.0994 | 81 | 1.03 | 2% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 747 | 8.7500 | 0.2000 | 8.4038 | 0.3364 | 0.0994 | 81 | 1.03 | 2% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 778 | 8.7500 | 0.1600 | 8.4038 | 0.3364 | 0.0994 | 81 | 1.03 | 2% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 804 | 8.7500 | 0.1000 | 8.4038 | 0.3364 | 0.0994 | 81 | 1.03 | 2% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 753 | 8.7550 | 0.2300 | 8.4038 | 0.3364 | 0.0994 | 81 | 1.04 | 2% | 8 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|------------------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 011.01 | Loss on Drying, 135 deg 2hr | 789 | 8.7550 | 0.0700 | 8.4038 | 0.3364 | 0.0994 | 81 | 1.04 | 2% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 750 | 8.7750 | 0.0700 | 8.4038 | 0.3364 | 0.0994 | 81 | 1.10 | 2% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 797 | 8.7850 | 0.0300 | 8.4038 | 0.3364 | 0.0994 | 81 | 1.13 | 2% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 816 | 8.7900 | 0.0200 | 8.4038 | 0.3364 | 0.0994 | 81 | 1.15 | 2% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 835 | 8.7900 | 0.0400 | 8.4038 | 0.3364 | 0.0994 | 81 | 1.15 | 2% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 749 | 8.8250 | 0.1300 | 8.4038 | 0.3364 | 0.0994 | 81 | 1.25 | 3% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 757 | 8.8300 | 0.0400 | 8.4038 | 0.3364 | 0.0994 | 81 | 1.27 | 3% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 755 | 8.8550 | 0.1700 | 8.4038 | 0.3364 | 0.0994 | 81 | 1.34 | 3% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 758 | 8.8550 | 0.0300 | 8.4038 | 0.3364 | 0.0994 | 81 | 1.34 | 3% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 798 | 8.8550 | 0.0300 | 8.4038 | 0.3364 | 0.0994 | 81 | 1.34 | 3% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 818 | 8.8550 | 0.1500 | 8.4038 | 0.3364 | 0.0994 | 81 | 1.34 | 3% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 737 | 8.8600 | 0.0200 | 8.4038 | 0.3364 | 0.0994 | 81 | 1.36 | 3% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 834 | 8.8650 | 0.0300 | 8.4038 | 0.3364 | 0.0994 | 81 | 1.37 | 3% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 754 | 8.8850 | 0.0300 | 8.4038 | 0.3364 | 0.0994 | 81 | 1.43 | 3% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 790 | 8.8900 | 0.0400 | 8.4038 | 0.3364 | 0.0994 | 81 | 1.45 | 3% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 751 | 8.9350 | 0.0300 | 8.4038 | 0.3364 | 0.0994 | 81 | 1.58 | 3% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 794 | 9.0105 | 0.0810 | 8.4038 | 0.3364 | 0.0994 | 81 | 1.80 | 4% | 8 |
| 011.01 | Loss on Drying, 135 deg 2hr | 829 | 9.1700 | 0.3600 | 8.4038 | 0.3364 | 0.0994 | 81 | 2.28 | 5% | 8 |
| 011.02 | Loss on drying, 130°C for 2 hours | 598 | 7.8700 | 0.0200 | | | 0.0200 | 1 | | | |
| 011.99 | Loss on Drying, High Temp. Methods | 882 | 7.2050 | 0.6900 | 7.7970 | 0.6108 | 0.2940 | 5 | -0.97 | 4% | 0 |
| 011.99 | Loss on Drying, High Temp. Methods | 541 | 7.2400 | 0.0000 | 7.7970 | 0.6108 | 0.2940 | 5 | -0.91 | 4% | 0 |
| 011.99 | Loss on Drying, High Temp. Methods | 574 | 7.6900 | 0.2800 | 7.7970 | 0.6108 | 0.2940 | 5 | -0.18 | 1% | 0 |
| 011.99 | Loss on Drying, High Temp. Methods | 852 | 8.3000 | 0.2000 | 7.7970 | 0.6108 | 0.2940 | 5 | 0.82 | 3% | 0 |
| 011.99 | Loss on Drying, High Temp. Methods | 857 | 8.5500 | 0.3000 | 7.7970 | 0.6108 | 0.2940 | 5 | 1.23 | 5% | 0 |
| 012.00 | Starch, Polarimetric (Ewers) | 689 | 15.8500 | 0.3000 | 17.1258 | 1.1331 | 0.5417 | 6 | -1.13 | 4% | 0 |
| 012.00 | Starch, Polarimetric (Ewers) | 878 | 16.2500 | 0.1000 | 17.1258 | 1.1331 | 0.5417 | 6 | -0.77 | 3% | 0 |
| 012.00 | Starch, Polarimetric (Ewers) | 673 | 16.8500 | 1.1000 | 17.1258 | 1.1331 | 0.5417 | 6 | -0.24 | 1% | 0 |
| 012.00 | Starch, Polarimetric (Ewers) | 178 | 17.4000 | 0.0000 | 17.1258 | 1.1331 | 0.5417 | 6 | 0.24 | 1% | 0 |
| 012.00 | Starch, Polarimetric (Ewers) | 559 | 17.9500 | 1.7000 | 17.1258 | 1.1331 | 0.5417 | 6 | 0.73 | 2% | 0 |
| 012.00 | Starch, Polarimetric (Ewers) | 354 | 18.4550 | 0.0500 | 17.1258 | 1.1331 | 0.5417 | 6 | 1.17 | 4% | 0 |
| 012.01 | Starch, Megazyme | 870 | 16.7568 | 0.4105 | 16.8189 | 0.0735 | 0.6368 | 3 | -0.85 | 0% | 0 |
| 012.01 | Starch, Megazyme | 686 | 16.8000 | 1.1000 | 16.8189 | 0.0735 | 0.6368 | 3 | -0.26 | 0% | 0 |
| 012.01 | Starch, Megazyme | 676 | 16.9000 | 0.4000 | 16.8189 | 0.0735 | 0.6368 | 3 | 1.10 | 0% | 0 |
| 012.03 | Starch, Enzymatic | 297 | 16.3000 | 0.4200 | 16.6500 | 0.4950 | 0.5100 | 2 | -0.71 | 1% | 0 |
| 012.03 | Starch, Enzymatic | 98 | 17.0000 | 0.6000 | 16.6500 | 0.4950 | 0.5100 | 2 | 0.71 | 1% | 0 |
| 012.04 | Starch, YSI Analyzer | 510 | 14.9000 | 0.2000 | 16.4033 | 1.7774 | 0.1333 | 3 | -0.85 | 5% | 0 |
| 012.04 | Starch, YSI Analyzer | 160 | 15.9450 | 0.1300 | 16.4033 | 1.7774 | 0.1333 | 3 | -0.26 | 1% | 0 |
| 012.04 | Starch, YSI Analyzer | 353 | 18.3650 | 0.0700 | 16.4033 | 1.7774 | 0.1333 | 3 | 1.10 | 6% | 0 |
| 012.11 | Starch, NIR | 178 | 11.8000 | 1.8000 | 15.8662 | 2.8454 | 0.9968 | 6 | -1.43 | 13% | 0 |
| 012.11 | Starch, NIR | 731 | 12.4000 | 1.5000 | 15.8662 | 2.8454 | 0.9968 | 6 | -1.22 | 11% | 0 |
| 012.11 | Starch, NIR | 713 | 16.4700 | 0.2200 | 15.8662 | 2.8454 | 0.9968 | 6 | 0.21 | 2% | 0 |
| 012.11 | Starch, NIR | 588 | 16.6300 | 0.2400 | 15.8662 | 2.8454 | 0.9968 | 6 | 0.27 | 2% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|-------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 012.11 | Starch, NIR | 727 | 17.5605 | 2.0810 | 15.8662 | 2.8454 | 0.9968 | 6 | 0.60 | 5% | 0 |
| 012.11 | Starch, NIR | 720 | 18.8900 | 0.1400 | 15.8662 | 2.8454 | 0.9968 | 6 | 1.06 | 10% | 0 |
| 012.99 | Starch, Miscellaneous | 619 | 35.4000 | 0.0000 | | | 0.0000 | 1 | | | |
| 013.00 | Fat, Acid hydrolysis | 689 | 2.3500 | 0.1000 | 3.1182 | 0.5283 | 0.0967 | 6 | -1.45 | 12% | 0 |
| 013.00 | Fat, Acid hydrolysis | 229 | 2.7000 | 0.0000 | 3.1182 | 0.5283 | 0.0967 | 6 | -0.79 | 7% | 0 |
| 013.00 | Fat, Acid hydrolysis | 309 | 3.1600 | 0.0200 | 3.1182 | 0.5283 | 0.0967 | 6 | 0.08 | 1% | 0 |
| 013.00 | Fat, Acid hydrolysis | 861 | 3.2750 | 0.0900 | 3.1182 | 0.5283 | 0.0967 | 6 | 0.30 | 3% | 0 |
| 013.00 | Fat, Acid hydrolysis | 202 | 3.4700 | 0.2400 | 3.1182 | 0.5283 | 0.0967 | 6 | 0.67 | 6% | 0 |
| 013.00 | Fat, Acid hydrolysis | 242 | 3.6650 | 0.1300 | 3.1182 | 0.5283 | 0.0967 | 6 | 1.04 | 9% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext | 843 | 0.8650 | 0.4100 | 3.4714 | 0.4262 | 0.1583 | 33 | -6.12 | 38% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext | 853 | 2.7250 | 0.0100 | 3.4714 | 0.4262 | 0.1583 | 33 | -1.75 | 11% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext | 51 | 2.7300 | 0.3000 | 3.4714 | 0.4262 | 0.1583 | 33 | -1.74 | 11% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext | 743 | 2.9550 | 0.0500 | 3.4714 | 0.4262 | 0.1583 | 33 | -1.21 | 7% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext | 780 | 2.9850 | 0.0700 | 3.4714 | 0.4262 | 0.1583 | 33 | -1.14 | 7% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext | 26 | 3.0400 | 0.0800 | 3.4714 | 0.4262 | 0.1583 | 33 | -1.01 | 6% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext | 770 | 3.0950 | 0.0100 | 3.4714 | 0.4262 | 0.1583 | 33 | -0.88 | 5% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext | 752 | 3.1000 | 0.1000 | 3.4714 | 0.4262 | 0.1583 | 33 | -0.87 | 5% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext | 208 | 3.1150 | 0.1100 | 3.4714 | 0.4262 | 0.1583 | 33 | -0.84 | 5% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext | 801 | 3.1350 | 0.3100 | 3.4714 | 0.4262 | 0.1583 | 33 | -0.79 | 5% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext | 164 | 3.1550 | 0.0700 | 3.4714 | 0.4262 | 0.1583 | 33 | -0.74 | 5% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext | 33 | 3.3600 | 0.2000 | 3.4714 | 0.4262 | 0.1583 | 33 | -0.26 | 2% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext | 650 | 3.3600 | 0.0000 | 3.4714 | 0.4262 | 0.1583 | 33 | -0.26 | 2% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext | 148 | 3.3750 | 0.0700 | 3.4714 | 0.4262 | 0.1583 | 33 | -0.23 | 1% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext | 825 | 3.4000 | 0.0000 | 3.4714 | 0.4262 | 0.1583 | 33 | -0.17 | 1% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext | 812 | 3.5500 | 0.0000 | 3.4714 | 0.4262 | 0.1583 | 33 | 0.18 | 1% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext | 830 | 3.5500 | 0.0800 | 3.4714 | 0.4262 | 0.1583 | 33 | 0.18 | 1% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext | 553 | 3.5650 | 0.4100 | 3.4714 | 0.4262 | 0.1583 | 33 | 0.22 | 1% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext | 171 | 3.5900 | 0.0600 | 3.4714 | 0.4262 | 0.1583 | 33 | 0.28 | 2% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext | 676 | 3.6175 | 0.2030 | 3.4714 | 0.4262 | 0.1583 | 33 | 0.34 | 2% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext | 643 | 3.6350 | 0.3700 | 3.4714 | 0.4262 | 0.1583 | 33 | 0.38 | 2% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext | 833 | 3.7050 | 0.0700 | 3.4714 | 0.4262 | 0.1583 | 33 | 0.55 | 3% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext | 809 | 3.7350 | 0.2500 | 3.4714 | 0.4262 | 0.1583 | 33 | 0.62 | 4% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext | 682 | 3.7350 | 0.1900 | 3.4714 | 0.4262 | 0.1583 | 33 | 0.62 | 4% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext | 763 | 3.7500 | 0.0400 | 3.4714 | 0.4262 | 0.1583 | 33 | 0.65 | 4% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext | 8 | 3.7550 | 0.5700 | 3.4714 | 0.4262 | 0.1583 | 33 | 0.67 | 4% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext | 656 | 3.7800 | 0.5600 | 3.4714 | 0.4262 | 0.1583 | 33 | 0.72 | 4% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext | 675 | 3.8500 | 0.0800 | 3.4714 | 0.4262 | 0.1583 | 33 | 0.89 | 5% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext | 100 | 3.8800 | 0.0800 | 3.4714 | 0.4262 | 0.1583 | 33 | 0.96 | 6% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext | 874 | 3.9350 | 0.0700 | 3.4714 | 0.4262 | 0.1583 | 33 | 1.09 | 7% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext | 354 | 3.9800 | 0.0200 | 3.4714 | 0.4262 | 0.1583 | 33 | 1.19 | 7% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext | 826 | 4.1200 | 0.2800 | 3.4714 | 0.4262 | 0.1583 | 33 | 1.52 | 9% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext | 591 | 6.0300 | 0.1000 | 3.4714 | 0.4262 | 0.1583 | 33 | 6.00 | 37% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|-------------------------|----------|----------|----------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 013.02 | Fat, Mojonnier, Bak Ext | 300 | 192.4400 | 377.1200 | 3.4714 | 0.4262 | 0.1583 | 33 | 443.40 | 2722% | 2 |
| 013.02 | Fat, Mojonnier, Bak Ext | 835 | 2.5050 | 0.0500 | 3.4714 | 0.4262 | 0.1583 | 33 | -2.27 | 14% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 794 | 2.5350 | 0.3700 | 3.4714 | 0.4262 | 0.1583 | 33 | -2.20 | 13% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 751 | 2.7500 | 0.0200 | 3.4714 | 0.4262 | 0.1583 | 33 | -1.69 | 10% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 748 | 2.8350 | 0.0900 | 3.4714 | 0.4262 | 0.1583 | 33 | -1.49 | 9% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 768 | 2.8700 | 0.2800 | 3.4714 | 0.4262 | 0.1583 | 33 | -1.41 | 9% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 741 | 2.8950 | 0.0500 | 3.4714 | 0.4262 | 0.1583 | 33 | -1.35 | 8% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 757 | 2.9000 | 0.3200 | 3.4714 | 0.4262 | 0.1583 | 33 | -1.34 | 8% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 740 | 2.9350 | 0.2700 | 3.4714 | 0.4262 | 0.1583 | 33 | -1.26 | 8% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 754 | 2.9600 | 0.3000 | 3.4714 | 0.4262 | 0.1583 | 33 | -1.20 | 7% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 834 | 2.9900 | 0.2600 | 3.4714 | 0.4262 | 0.1583 | 33 | -1.13 | 7% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 749 | 3.0050 | 0.2100 | 3.4714 | 0.4262 | 0.1583 | 33 | -1.09 | 7% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 753 | 3.0050 | 0.1900 | 3.4714 | 0.4262 | 0.1583 | 33 | -1.09 | 7% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 742 | 3.0350 | 0.0100 | 3.4714 | 0.4262 | 0.1583 | 33 | -1.02 | 6% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 758 | 3.0350 | 0.1900 | 3.4714 | 0.4262 | 0.1583 | 33 | -1.02 | 6% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 769 | 3.0500 | 0.1000 | 3.4714 | 0.4262 | 0.1583 | 33 | -0.99 | 6% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 750 | 3.0550 | 0.2100 | 3.4714 | 0.4262 | 0.1583 | 33 | -0.98 | 6% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 744 | 3.0700 | 0.0400 | 3.4714 | 0.4262 | 0.1583 | 33 | -0.94 | 6% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 746 | 3.0700 | 0.0400 | 3.4714 | 0.4262 | 0.1583 | 33 | -0.94 | 6% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 735 | 3.1150 | 0.0700 | 3.4714 | 0.4262 | 0.1583 | 33 | -0.84 | 5% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 739 | 3.1300 | 0.0200 | 3.4714 | 0.4262 | 0.1583 | 33 | -0.80 | 5% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 767 | 3.1300 | 0.0400 | 3.4714 | 0.4262 | 0.1583 | 33 | -0.80 | 5% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 774 | 3.1350 | 0.1500 | 3.4714 | 0.4262 | 0.1583 | 33 | -0.79 | 5% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 828 | 3.1400 | 0.0000 | 3.4714 | 0.4262 | 0.1583 | 33 | -0.78 | 5% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 772 | 3.1550 | 0.1900 | 3.4714 | 0.4262 | 0.1583 | 33 | -0.74 | 5% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 755 | 3.1600 | 0.0400 | 3.4714 | 0.4262 | 0.1583 | 33 | -0.73 | 4% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 736 | 3.1650 | 0.0500 | 3.4714 | 0.4262 | 0.1583 | 33 | -0.72 | 4% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 778 | 3.1650 | 0.0300 | 3.4714 | 0.4262 | 0.1583 | 33 | -0.72 | 4% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 807 | 3.1650 | 0.0300 | 3.4714 | 0.4262 | 0.1583 | 33 | -0.72 | 4% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 775 | 3.1800 | 0.0400 | 3.4714 | 0.4262 | 0.1583 | 33 | -0.68 | 4% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 776 | 3.1950 | 0.0300 | 3.4714 | 0.4262 | 0.1583 | 33 | -0.65 | 4% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 805 | 3.2050 | 0.0500 | 3.4714 | 0.4262 | 0.1583 | 33 | -0.63 | 4% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 806 | 3.2150 | 0.0900 | 3.4714 | 0.4262 | 0.1583 | 33 | -0.60 | 4% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 756 | 3.2250 | 0.1300 | 3.4714 | 0.4262 | 0.1583 | 33 | -0.58 | 4% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 771 | 3.2550 | 0.1300 | 3.4714 | 0.4262 | 0.1583 | 33 | -0.51 | 3% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 816 | 3.3000 | 0.2000 | 3.4714 | 0.4262 | 0.1583 | 33 | -0.40 | 2% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 823 | 3.3000 | 0.0000 | 3.4714 | 0.4262 | 0.1583 | 33 | -0.40 | 2% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 747 | 3.3150 | 0.3900 | 3.4714 | 0.4262 | 0.1583 | 33 | -0.37 | 2% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 734 | 3.3200 | 0.0600 | 3.4714 | 0.4262 | 0.1583 | 33 | -0.36 | 2% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 811 | 3.3200 | 0.0200 | 3.4714 | 0.4262 | 0.1583 | 33 | -0.36 | 2% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 789 | 3.3350 | 0.1300 | 3.4714 | 0.4262 | 0.1583 | 33 | -0.32 | 2% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 804 | 3.3450 | 0.6900 | 3.4714 | 0.4262 | 0.1583 | 33 | -0.30 | 2% | 8 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|--------------------------------------|----------|----------|--------|---------------|---------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 013.02 | Fat, Mojonnier, Bak Ext | 824 | 3.3500 | 0.1000 | 3.4714 | 0.4262 | 0.1583 | 33 | -0.28 | 2% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 765 | 3.3800 | 0.3400 | 3.4714 | 0.4262 | 0.1583 | 33 | -0.21 | 1% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 745 | 3.4150 | 0.1100 | 3.4714 | 0.4262 | 0.1583 | 33 | -0.13 | 1% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 798 | 3.4450 | 0.1100 | 3.4714 | 0.4262 | 0.1583 | 33 | -0.06 | 0% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 817 | 3.4800 | 0.3600 | 3.4714 | 0.4262 | 0.1583 | 33 | 0.02 | 0% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 792 | 3.5000 | 0.3200 | 3.4714 | 0.4262 | 0.1583 | 33 | 0.07 | 0% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 790 | 3.5300 | 0.1000 | 3.4714 | 0.4262 | 0.1583 | 33 | 0.14 | 1% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 761 | 3.5500 | 0.0400 | 3.4714 | 0.4262 | 0.1583 | 33 | 0.18 | 1% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 808 | 3.5550 | 0.0900 | 3.4714 | 0.4262 | 0.1583 | 33 | 0.20 | 1% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 777 | 3.5600 | 0.0400 | 3.4714 | 0.4262 | 0.1583 | 33 | 0.21 | 1% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 810 | 3.5850 | 0.1100 | 3.4714 | 0.4262 | 0.1583 | 33 | 0.27 | 2% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 814 | 3.6000 | 0.0800 | 3.4714 | 0.4262 | 0.1583 | 33 | 0.30 | 2% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 800 | 3.6550 | 0.5900 | 3.4714 | 0.4262 | 0.1583 | 33 | 0.43 | 3% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 803 | 3.6900 | 0.5400 | 3.4714 | 0.4262 | 0.1583 | 33 | 0.51 | 3% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 813 | 3.7300 | 0.0200 | 3.4714 | 0.4262 | 0.1583 | 33 | 0.61 | 4% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 762 | 3.7950 | 0.1700 | 3.4714 | 0.4262 | 0.1583 | 33 | 0.76 | 5% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 759 | 3.8050 | 0.0300 | 3.4714 | 0.4262 | 0.1583 | 33 | 0.78 | 5% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 760 | 3.8450 | 0.0500 | 3.4714 | 0.4262 | 0.1583 | 33 | 0.88 | 5% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 815 | 3.8450 | 0.2300 | 3.4714 | 0.4262 | 0.1583 | 33 | 0.88 | 5% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 796 | 3.9550 | 0.0900 | 3.4714 | 0.4262 | 0.1583 | 33 | 1.13 | 7% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 818 | 3.9650 | 0.1900 | 3.4714 | 0.4262 | 0.1583 | 33 | 1.16 | 7% | 8 |
| 013.02 | Fat, Mojonnier, Bak Ext | 797 | 4.0050 | 0.6100 | 3.4714 | 0.4262 | 0.1583 | 33 | 1.25 | 8% | 8 |
| 013.10 | Fat, Soxtec-Acid Hydrolysis | 843 | 0.8650 | 0.4100 | 2.9157 | 0.4104 | 0.2143 | 11 | -5.00 | 35% | 0 |
| 013.10 | Fat, Soxtec-Acid Hydrolysis | 591 | 2.5000 | 0.1200 | 2.9157 | 0.4104 | 0.2143 | 11 | -1.01 | 7% | 0 |
| 013.10 | Fat, Soxtec-Acid Hydrolysis | 539 | 2.6500 | 0.4400 | 2.9157 | 0.4104 | 0.2143 | 11 | -0.65 | 5% | 0 |
| 013.10 | Fat, Soxtec-Acid Hydrolysis | 610 | 2.7000 | 0.2000 | 2.9157 | 0.4104 | 0.2143 | 11 | -0.53 | 4% | 0 |
| 013.10 | Fat, Soxtec-Acid Hydrolysis | 62 | 2.7870 | 0.3680 | 2.9157 | 0.4104 | 0.2143 | 11 | -0.31 | 2% | 0 |
| 013.10 | Fat, Soxtec-Acid Hydrolysis | 160 | 2.9555 | 0.0990 | 2.9157 | 0.4104 | 0.2143 | 11 | 0.10 | 1% | 0 |
| 013.10 | Fat, Soxtec-Acid Hydrolysis | 733 | 3.0450 | 0.0100 | 2.9157 | 0.4104 | 0.2143 | 11 | 0.32 | 2% | 0 |
| 013.10 | Fat, Soxtec-Acid Hydrolysis | 353 | 3.0900 | 0.1400 | 2.9157 | 0.4104 | 0.2143 | 11 | 0.42 | 3% | 0 |
| 013.10 | Fat, Soxtec-Acid Hydrolysis | 673 | 3.2500 | 0.1000 | 2.9157 | 0.4104 | 0.2143 | 11 | 0.81 | 6% | 0 |
| 013.10 | Fat, Soxtec-Acid Hydrolysis | 660 | 3.3950 | 0.2700 | 2.9157 | 0.4104 | 0.2143 | 11 | 1.17 | 8% | 0 |
| 013.10 | Fat, Soxtec-Acid Hydrolysis | 652 | 3.4000 | 0.2000 | 2.9157 | 0.4104 | 0.2143 | 11 | 1.18 | 8% | 0 |
| 013.10 | Fat, Soxtec-Acid Hydrolysis | 845 | 26.3400 | 0.3000 | 2.9157 | 0.4104 | 0.2143 | 11 | 57.08 | 402% | 2 |
| 013.10 | Fat, Soxtec-Acid Hydrolysis | 732 | 3.1600 | 0.0000 | 2.9157 | 0.4104 | 0.2143 | 11 | 0.60 | 4% | 8 |
| 013.11 | Fat, Super Critical Fluid Extraction | 866 | 2.4500 | 0.1000 | 2.9200 | 0.6647 | 0.3400 | 2 | -0.71 | 8% | 0 |
| 013.11 | Fat, Super Critical Fluid Extraction | 417 | 3.3900 | 0.5800 | 2.9200 | 0.6647 | 0.3400 | 2 | 0.71 | 8% | 0 |
| 013.12 | Fat, NIR- Acid Hydrolysis | 588 | 1.1650 | 0.0100 | 1.5600 | 0.6413 | 0.0267 | 3 | -0.62 | 13% | 0 |
| 013.12 | Fat, NIR- Acid Hydrolysis | 731 | 1.2150 | 0.0700 | 1.5600 | 0.6413 | 0.0267 | 3 | -0.54 | 11% | 0 |
| 013.12 | Fat, NIR- Acid Hydrolysis | 720 | 2.3000 | 0.0000 | 1.5600 | 0.6413 | 0.0267 | 3 | 1.15 | 24% | 0 |
| 013.13 | Fat, Ankom- Acid Hydrolysis | 581 | 4.6500 | 0.1000 | | | 0.1000 | 1 | | | |
| 015.41 | Aluminum, ICP, Dry ash | 11 | 70.0610 | 4.4220 | 81.5203 | 16.9573 | 5.1407 | 3 | -0.68 | 7% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|----------------------------------|----------|----------|--------|---------------|---------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 015.41 | Aluminum, ICP, Dry ash | 164 | 73.5000 | 7.0000 | 81.5203 | 16.9573 | 5.1407 | 3 | -0.47 | 5% | 0 |
| 015.41 | Aluminum, ICP, Dry ash | 520 | 101.0000 | 4.0000 | 81.5203 | 16.9573 | 5.1407 | 3 | 1.15 | 12% | 0 |
| 015.42 | Aluminum, ICP, Open vessel | 21 | 51.1450 | 0.1900 | 62.6317 | 11.0781 | 0.6967 | 3 | -1.04 | 9% | 0 |
| 015.42 | Aluminum, ICP, Open vessel | 560 | 63.5000 | 0.8000 | 62.6317 | 11.0781 | 0.6967 | 3 | 0.08 | 1% | 0 |
| 015.42 | Aluminum, ICP, Open vessel | 616 | 73.2500 | 1.1000 | 62.6317 | 11.0781 | 0.6967 | 3 | 0.96 | 8% | 0 |
| 015.43 | Aluminum, ICP, Microwave | 345 | 66.0500 | 3.1000 | 73.6375 | 5.3657 | 1.7700 | 4 | -1.41 | 5% | 0 |
| 015.43 | Aluminum, ICP, Microwave | 353 | 74.1500 | 1.8800 | 73.6375 | 5.3657 | 1.7700 | 4 | 0.10 | 0% | 0 |
| 015.43 | Aluminum, ICP, Microwave | 169 | 75.8500 | 1.1000 | 73.6375 | 5.3657 | 1.7700 | 4 | 0.41 | 2% | 0 |
| 015.43 | Aluminum, ICP, Microwave | 510 | 78.5000 | 1.0000 | 73.6375 | 5.3657 | 1.7700 | 4 | 0.91 | 3% | 0 |
| 015.52 | Aluminum, ICP-MS, Open vessel | 154 | 89.5000 | 3.0000 | | | 3.0000 | 1 | | | |
| 016.00 | Arsenic, AA, Hydride | 619 | 0.0680 | 0.0040 | | | 0.0040 | 1 | | | |
| 017.41 | Boron, ICP, Dry ash | 358 | 8.5550 | 0.4300 | | | 0.4300 | 1 | | | |
| 017.42 | Boron, ICP, Open vessel | 45 | 9.1750 | 0.2700 | 9.4325 | 0.3642 | 0.2650 | 2 | -0.71 | 1% | 0 |
| 017.42 | Boron, ICP, Open vessel | 560 | 9.6900 | 0.2600 | 9.4325 | 0.3642 | 0.2650 | 2 | 0.71 | 1% | 0 |
| 017.43 | Boron, ICP, Microwave | 345 | 8.4350 | 0.1700 | 9.7475 | 1.5420 | 0.3750 | 4 | -0.85 | 7% | 0 |
| 017.43 | Boron, ICP, Microwave | 294 | 9.2450 | 0.1100 | 9.7475 | 1.5420 | 0.3750 | 4 | -0.33 | 3% | 0 |
| 017.43 | Boron, ICP, Microwave | 510 | 9.3300 | 0.1800 | 9.7475 | 1.5420 | 0.3750 | 4 | -0.27 | 2% | 0 |
| 017.43 | Boron, ICP, Microwave | 353 | 11.9800 | 1.0400 | 9.7475 | 1.5420 | 0.3750 | 4 | 1.45 | 11% | 0 |
| 018.34 | Cadmium, AAS, Graphite furnace | 596 | 0.0685 | 0.0130 | | | 0.0130 | 1 | | | |
| 018.41 | Cadmium, ICP, Dry ash | 11 | 0.0650 | 0.0010 | | | 0.0010 | 1 | | | |
| 018.42 | Cadmium, ICP, Open vessel | 21 | 0.0938 | 0.0008 | | | 0.0008 | 1 | | | |
| 018.43 | Cadmium, ICP, Microwave | 508 | 0.2070 | 0.0300 | | | 0.0300 | 1 | | | |
| 018.52 | Cadmium, ICP-MS, Open vessel | 154 | 0.1100 | 0.0000 | | | 0.0000 | 1 | | | |
| 019.00 | Calcium, Ox-Mn04 Vol. | 681 | 0.6250 | 0.0300 | 0.7369 | 0.0308 | 0.0329 | 12 | -3.63 | 8% | 0 |
| 019.00 | Calcium, Ox-Mn04 Vol. | 647 | 0.7000 | 0.0800 | 0.7369 | 0.0308 | 0.0329 | 12 | -1.20 | 3% | 0 |
| 019.00 | Calcium, Ox-Mn04 Vol. | 622 | 0.7178 | 0.0002 | 0.7369 | 0.0308 | 0.0329 | 12 | -0.62 | 1% | 0 |
| 019.00 | Calcium, Ox-Mn04 Vol. | 194 | 0.7250 | 0.0100 | 0.7369 | 0.0308 | 0.0329 | 12 | -0.39 | 1% | 0 |
| 019.00 | Calcium, Ox-Mn04 Vol. | 651 | 0.7260 | 0.0000 | 0.7369 | 0.0308 | 0.0329 | 12 | -0.35 | 1% | 0 |
| 019.00 | Calcium, Ox-Mn04 Vol. | 878 | 0.7295 | 0.0150 | 0.7369 | 0.0308 | 0.0329 | 12 | -0.24 | 1% | 0 |
| 019.00 | Calcium, Ox-Mn04 Vol. | 868 | 0.7390 | 0.0320 | 0.7369 | 0.0308 | 0.0329 | 12 | 0.07 | 0% | 0 |
| 019.00 | Calcium, Ox-Mn04 Vol. | 620 | 0.7413 | 0.0338 | 0.7369 | 0.0308 | 0.0329 | 12 | 0.14 | 0% | 0 |
| 019.00 | Calcium, Ox-Mn04 Vol. | 43 | 0.7550 | 0.0500 | 0.7369 | 0.0308 | 0.0329 | 12 | 0.59 | 1% | 0 |
| 019.00 | Calcium, Ox-Mn04 Vol. | 552 | 0.7650 | 0.0500 | 0.7369 | 0.0308 | 0.0329 | 12 | 0.91 | 2% | 0 |
| 019.00 | Calcium, Ox-Mn04 Vol. | 849 | 0.7800 | 0.0400 | 0.7369 | 0.0308 | 0.0329 | 12 | 1.40 | 3% | 0 |
| 019.00 | Calcium, Ox-Mn04 Vol. | 623 | 0.8464 | 0.0538 | 0.7369 | 0.0308 | 0.0329 | 12 | 3.55 | 7% | 0 |
| 019.03 | Calcium, Semiauto (Autoanalyzer) | 26 | 0.6950 | 0.0100 | 0.7764 | 0.0881 | 0.0108 | 3 | -0.92 | 5% | 0 |
| 019.03 | Calcium, Semiauto (Autoanalyzer) | 36 | 0.7642 | 0.0024 | 0.7764 | 0.0881 | 0.0108 | 3 | -0.14 | 1% | 0 |
| 019.03 | Calcium, Semiauto (Autoanalyzer) | 43 | 0.8700 | 0.0200 | 0.7764 | 0.0881 | 0.0108 | 3 | 1.06 | 6% | 0 |
| 019.05 | #N/A | 864 | 0.6200 | 0.0000 | | | 0.0000 | 1 | | | |
| 019.08 | Calcium, EDTA | 629 | 0.6950 | 0.0100 | 0.7558 | 0.0627 | 0.0213 | 8 | -0.97 | 4% | 0 |
| 019.08 | Calcium, EDTA | 138 | 0.7050 | 0.0300 | 0.7558 | 0.0627 | 0.0213 | 8 | -0.81 | 3% | 0 |
| 019.08 | Calcium, EDTA | 590 | 0.7150 | 0.0300 | 0.7558 | 0.0627 | 0.0213 | 8 | -0.65 | 3% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|---------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 019.08 | Calcium, EDTA | 877 | 0.7200 | 0.0200 | 0.7558 | 0.0627 | 0.0213 | 8 | -0.57 | 2% | 0 |
| 019.08 | Calcium, EDTA | 871 | 0.7650 | 0.0100 | 0.7558 | 0.0627 | 0.0213 | 8 | 0.15 | 1% | 0 |
| 019.08 | Calcium, EDTA | 849 | 0.7850 | 0.0100 | 0.7558 | 0.0627 | 0.0213 | 8 | 0.47 | 2% | 0 |
| 019.08 | Calcium, EDTA | 673 | 0.8300 | 0.0400 | 0.7558 | 0.0627 | 0.0213 | 8 | 1.18 | 5% | 0 |
| 019.08 | Calcium, EDTA | 689 | 0.8700 | 0.0200 | 0.7558 | 0.0627 | 0.0213 | 8 | 1.82 | 8% | 0 |
| 019.31 | Calcium, AAS, Dry ash | 233 | 0.6400 | 0.0000 | 0.7230 | 0.0373 | 0.0184 | 27 | -2.23 | 6% | 0 |
| 019.31 | Calcium, AAS, Dry ash | 1 | 0.6650 | 0.0580 | 0.7230 | 0.0373 | 0.0184 | 27 | -1.56 | 4% | 0 |
| 019.31 | Calcium, AAS, Dry ash | 874 | 0.6745 | 0.0210 | 0.7230 | 0.0373 | 0.0184 | 27 | -1.30 | 3% | 0 |
| 019.31 | Calcium, AAS, Dry ash | 205 | 0.6895 | 0.0150 | 0.7230 | 0.0373 | 0.0184 | 27 | -0.90 | 2% | 0 |
| 019.31 | Calcium, AAS, Dry ash | 142 | 0.6900 | 0.0200 | 0.7230 | 0.0373 | 0.0184 | 27 | -0.89 | 2% | 0 |
| 019.31 | Calcium, AAS, Dry ash | 175 | 0.6900 | 0.0200 | 0.7230 | 0.0373 | 0.0184 | 27 | -0.89 | 2% | 0 |
| 019.31 | Calcium, AAS, Dry ash | 505 | 0.6950 | 0.0300 | 0.7230 | 0.0373 | 0.0184 | 27 | -0.75 | 2% | 0 |
| 019.31 | Calcium, AAS, Dry ash | 305 | 0.7000 | 0.0200 | 0.7230 | 0.0373 | 0.0184 | 27 | -0.62 | 2% | 0 |
| 019.31 | Calcium, AAS, Dry ash | 670 | 0.7015 | 0.0090 | 0.7230 | 0.0373 | 0.0184 | 27 | -0.58 | 1% | 0 |
| 019.31 | Calcium, AAS, Dry ash | 208 | 0.7040 | 0.0360 | 0.7230 | 0.0373 | 0.0184 | 27 | -0.51 | 1% | 0 |
| 019.31 | Calcium, AAS, Dry ash | 596 | 0.7050 | 0.0500 | 0.7230 | 0.0373 | 0.0184 | 27 | -0.48 | 1% | 0 |
| 019.31 | Calcium, AAS, Dry ash | 669 | 0.7100 | 0.0200 | 0.7230 | 0.0373 | 0.0184 | 27 | -0.35 | 1% | 0 |
| 019.31 | Calcium, AAS, Dry ash | 354 | 0.7250 | 0.0100 | 0.7230 | 0.0373 | 0.0184 | 27 | 0.05 | 0% | 0 |
| 019.31 | Calcium, AAS, Dry ash | 650 | 0.7250 | 0.0100 | 0.7230 | 0.0373 | 0.0184 | 27 | 0.05 | 0% | 0 |
| 019.31 | Calcium, AAS, Dry ash | 723 | 0.7250 | 0.0100 | 0.7230 | 0.0373 | 0.0184 | 27 | 0.05 | 0% | 0 |
| 019.31 | Calcium, AAS, Dry ash | 178 | 0.7350 | 0.0100 | 0.7230 | 0.0373 | 0.0184 | 27 | 0.32 | 1% | 0 |
| 019.31 | Calcium, AAS, Dry ash | 675 | 0.7350 | 0.0100 | 0.7230 | 0.0373 | 0.0184 | 27 | 0.32 | 1% | 0 |
| 019.31 | Calcium, AAS, Dry ash | 674 | 0.7400 | 0.0000 | 0.7230 | 0.0373 | 0.0184 | 27 | 0.45 | 1% | 0 |
| 019.31 | Calcium, AAS, Dry ash | 731 | 0.7400 | 0.0200 | 0.7230 | 0.0373 | 0.0184 | 27 | 0.45 | 1% | 0 |
| 019.31 | Calcium, AAS, Dry ash | 65 | 0.7410 | 0.0104 | 0.7230 | 0.0373 | 0.0184 | 27 | 0.48 | 1% | 0 |
| 019.31 | Calcium, AAS, Dry ash | 868 | 0.7420 | 0.0040 | 0.7230 | 0.0373 | 0.0184 | 27 | 0.51 | 1% | 0 |
| 019.31 | Calcium, AAS, Dry ash | 350 | 0.7465 | 0.0070 | 0.7230 | 0.0373 | 0.0184 | 27 | 0.63 | 2% | 0 |
| 019.31 | Calcium, AAS, Dry ash | 152 | 0.7550 | 0.0100 | 0.7230 | 0.0373 | 0.0184 | 27 | 0.86 | 2% | 0 |
| 019.31 | Calcium, AAS, Dry ash | 36 | 0.7759 | 0.0194 | 0.7230 | 0.0373 | 0.0184 | 27 | 1.42 | 4% | 0 |
| 019.31 | Calcium, AAS, Dry ash | 720 | 0.8000 | 0.0200 | 0.7230 | 0.0373 | 0.0184 | 27 | 2.06 | 5% | 0 |
| 019.31 | Calcium, AAS, Dry ash | 38 | 0.8205 | 0.0330 | 0.7230 | 0.0373 | 0.0184 | 27 | 2.61 | 7% | 0 |
| 019.31 | Calcium, AAS, Dry ash | 619 | 0.8295 | 0.0230 | 0.7230 | 0.0373 | 0.0184 | 27 | 2.85 | 7% | 0 |
| 019.31 | Calcium, AAS, Dry ash | 591 | 2.1000 | 0.1000 | 0.7230 | 0.0373 | 0.0184 | 27 | 36.93 | 95% | 2 |
| 019.32 | Calcium, AAS, Open vessel | 882 | 0.4395 | 0.0300 | 0.7165 | 0.0630 | 0.0150 | 13 | -4.39 | 19% | 0 |
| 019.32 | Calcium, AAS, Open vessel | 609 | 0.5100 | 0.0000 | 0.7165 | 0.0630 | 0.0150 | 13 | -3.28 | 14% | 0 |
| 019.32 | Calcium, AAS, Open vessel | 39 | 0.6765 | 0.0015 | 0.7165 | 0.0630 | 0.0150 | 13 | -0.64 | 3% | 0 |
| 019.32 | Calcium, AAS, Open vessel | 722 | 0.6792 | 0.0012 | 0.7165 | 0.0630 | 0.0150 | 13 | -0.59 | 3% | 0 |
| 019.32 | Calcium, AAS, Open vessel | 612 | 0.6800 | 0.0000 | 0.7165 | 0.0630 | 0.0150 | 13 | -0.58 | 3% | 0 |
| 019.32 | Calcium, AAS, Open vessel | 26 | 0.7000 | 0.0200 | 0.7165 | 0.0630 | 0.0150 | 13 | -0.26 | 1% | 0 |
| 019.32 | Calcium, AAS, Open vessel | 504 | 0.7190 | 0.0119 | 0.7165 | 0.0630 | 0.0150 | 13 | 0.04 | 0% | 0 |
| 019.32 | Calcium, AAS, Open vessel | 631 | 0.7450 | 0.0300 | 0.7165 | 0.0630 | 0.0150 | 13 | 0.45 | 2% | 0 |
| 019.32 | Calcium, AAS, Open vessel | 169 | 0.7500 | 0.0400 | 0.7165 | 0.0630 | 0.0150 | 13 | 0.53 | 2% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|---------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 019.32 | Calcium, AAS, Open vessel | 656 | 0.7500 | 0.0200 | 0.7165 | 0.0630 | 0.0150 | 13 | 0.53 | 2% | 0 |
| 019.32 | Calcium, AAS, Open vessel | 13 | 0.7680 | 0.0340 | 0.7165 | 0.0630 | 0.0150 | 13 | 0.82 | 4% | 0 |
| 019.32 | Calcium, AAS, Open vessel | 35 | 0.7800 | 0.0000 | 0.7165 | 0.0630 | 0.0150 | 13 | 1.01 | 4% | 0 |
| 019.32 | Calcium, AAS, Open vessel | 263 | 0.8057 | 0.0061 | 0.7165 | 0.0630 | 0.0150 | 13 | 1.41 | 6% | 0 |
| 019.33 | Calcium, AAS, Microwave | 33 | 0.7450 | 0.0500 | | | 0.0500 | 1 | | | |
| 019.41 | Calcium, ICP, Dry ash | 550 | 0.6520 | 0.0800 | 0.7223 | 0.0442 | 0.0323 | 37 | -1.59 | 5% | 0 |
| 019.41 | Calcium, ICP, Dry ash | 229 | 0.6650 | 0.0100 | 0.7223 | 0.0442 | 0.0323 | 37 | -1.30 | 4% | 0 |
| 019.41 | Calcium, ICP, Dry ash | 83 | 0.6700 | 0.0400 | 0.7223 | 0.0442 | 0.0323 | 37 | -1.18 | 4% | 0 |
| 019.41 | Calcium, ICP, Dry ash | 242 | 0.6750 | 0.0100 | 0.7223 | 0.0442 | 0.0323 | 37 | -1.07 | 3% | 0 |
| 019.41 | Calcium, ICP, Dry ash | 11 | 0.6768 | 0.0198 | 0.7223 | 0.0442 | 0.0323 | 37 | -1.03 | 3% | 0 |
| 019.41 | Calcium, ICP, Dry ash | 511 | 0.6800 | 0.0600 | 0.7223 | 0.0442 | 0.0323 | 37 | -0.96 | 3% | 0 |
| 019.41 | Calcium, ICP, Dry ash | 553 | 0.6815 | 0.0310 | 0.7223 | 0.0442 | 0.0323 | 37 | -0.92 | 3% | 0 |
| 019.41 | Calcium, ICP, Dry ash | 358 | 0.6850 | 0.0300 | 0.7223 | 0.0442 | 0.0323 | 37 | -0.84 | 3% | 0 |
| 019.41 | Calcium, ICP, Dry ash | 300 | 0.6920 | 0.0780 | 0.7223 | 0.0442 | 0.0323 | 37 | -0.68 | 2% | 0 |
| 019.41 | Calcium, ICP, Dry ash | 848 | 0.6950 | 0.0100 | 0.7223 | 0.0442 | 0.0323 | 37 | -0.62 | 2% | 0 |
| 019.41 | Calcium, ICP, Dry ash | 860 | 0.6950 | 0.0100 | 0.7223 | 0.0442 | 0.0323 | 37 | -0.62 | 2% | 0 |
| 019.41 | Calcium, ICP, Dry ash | 144 | 0.6950 | 0.0500 | 0.7223 | 0.0442 | 0.0323 | 37 | -0.62 | 2% | 0 |
| 019.41 | Calcium, ICP, Dry ash | 26 | 0.6952 | 0.0077 | 0.7223 | 0.0442 | 0.0323 | 37 | -0.61 | 2% | 0 |
| 019.41 | Calcium, ICP, Dry ash | 164 | 0.7000 | 0.0400 | 0.7223 | 0.0442 | 0.0323 | 37 | -0.50 | 2% | 0 |
| 019.41 | Calcium, ICP, Dry ash | 19 | 0.7050 | 0.1100 | 0.7223 | 0.0442 | 0.0323 | 37 | -0.39 | 1% | 0 |
| 019.41 | Calcium, ICP, Dry ash | 208 | 0.7060 | 0.0200 | 0.7223 | 0.0442 | 0.0323 | 37 | -0.37 | 1% | 0 |
| 019.41 | Calcium, ICP, Dry ash | 74 | 0.7100 | 0.0400 | 0.7223 | 0.0442 | 0.0323 | 37 | -0.28 | 1% | 0 |
| 019.41 | Calcium, ICP, Dry ash | 148 | 0.7100 | 0.0000 | 0.7223 | 0.0442 | 0.0323 | 37 | -0.28 | 1% | 0 |
| 019.41 | Calcium, ICP, Dry ash | 425 | 0.7150 | 0.0100 | 0.7223 | 0.0442 | 0.0323 | 37 | -0.16 | 1% | 0 |
| 019.41 | Calcium, ICP, Dry ash | 298 | 0.7200 | 0.0200 | 0.7223 | 0.0442 | 0.0323 | 37 | -0.05 | 0% | 0 |
| 019.41 | Calcium, ICP, Dry ash | 695 | 0.7200 | 0.0200 | 0.7223 | 0.0442 | 0.0323 | 37 | -0.05 | 0% | 0 |
| 019.41 | Calcium, ICP, Dry ash | 29 | 0.7296 | 0.0490 | 0.7223 | 0.0442 | 0.0323 | 37 | 0.17 | 1% | 0 |
| 019.41 | Calcium, ICP, Dry ash | 3 | 0.7300 | 0.0200 | 0.7223 | 0.0442 | 0.0323 | 37 | 0.18 | 1% | 0 |
| 019.41 | Calcium, ICP, Dry ash | 100 | 0.7400 | 0.1000 | 0.7223 | 0.0442 | 0.0323 | 37 | 0.40 | 1% | 0 |
| 019.41 | Calcium, ICP, Dry ash | 4 | 0.7430 | 0.0040 | 0.7223 | 0.0442 | 0.0323 | 37 | 0.47 | 1% | 0 |
| 019.41 | Calcium, ICP, Dry ash | 8 | 0.7430 | 0.0000 | 0.7223 | 0.0442 | 0.0323 | 37 | 0.47 | 1% | 0 |
| 019.41 | Calcium, ICP, Dry ash | 598 | 0.7485 | 0.0302 | 0.7223 | 0.0442 | 0.0323 | 37 | 0.59 | 2% | 0 |
| 019.41 | Calcium, ICP, Dry ash | 405 | 0.7550 | 0.0100 | 0.7223 | 0.0442 | 0.0323 | 37 | 0.74 | 2% | 0 |
| 019.41 | Calcium, ICP, Dry ash | 413 | 0.7600 | 0.0200 | 0.7223 | 0.0442 | 0.0323 | 37 | 0.85 | 3% | 0 |
| 019.41 | Calcium, ICP, Dry ash | 171 | 0.7700 | 0.0200 | 0.7223 | 0.0442 | 0.0323 | 37 | 1.08 | 3% | 0 |
| 019.41 | Calcium, ICP, Dry ash | 520 | 0.7700 | 0.0200 | 0.7223 | 0.0442 | 0.0323 | 37 | 1.08 | 3% | 0 |
| 019.41 | Calcium, ICP, Dry ash | 226 | 0.7800 | 0.0200 | 0.7223 | 0.0442 | 0.0323 | 37 | 1.31 | 4% | 0 |
| 019.41 | Calcium, ICP, Dry ash | 265 | 0.7800 | 0.0800 | 0.7223 | 0.0442 | 0.0323 | 37 | 1.31 | 4% | 0 |
| 019.41 | Calcium, ICP, Dry ash | 98 | 0.7850 | 0.0900 | 0.7223 | 0.0442 | 0.0323 | 37 | 1.42 | 4% | 0 |
| 019.41 | Calcium, ICP, Dry ash | 89 | 0.7900 | 0.0200 | 0.7223 | 0.0442 | 0.0323 | 37 | 1.53 | 5% | 0 |
| 019.41 | Calcium, ICP, Dry ash | 407 | 0.8155 | 0.0070 | 0.7223 | 0.0442 | 0.0323 | 37 | 2.11 | 6% | 0 |
| 019.41 | Calcium, ICP, Dry ash | 883 | 0.8350 | 0.0100 | 0.7223 | 0.0442 | 0.0323 | 37 | 2.55 | 8% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|------------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 019.41 | Calcium, ICP, Dry ash | 682 | 0.5700 | 0.1400 | 0.7223 | 0.0442 | 0.0323 | 37 | -3.44 | 11% | 1 |
| 019.42 | Calcium, ICP, Open vessel | 613 | 0.6500 | 0.0000 | 0.7409 | 0.0464 | 0.0202 | 20 | -1.96 | 6% | 0 |
| 019.42 | Calcium, ICP, Open vessel | 560 | 0.6670 | 0.0020 | 0.7409 | 0.0464 | 0.0202 | 20 | -1.59 | 5% | 0 |
| 019.42 | Calcium, ICP, Open vessel | 504 | 0.6990 | 0.0300 | 0.7409 | 0.0464 | 0.0202 | 20 | -0.90 | 3% | 0 |
| 019.42 | Calcium, ICP, Open vessel | 37 | 0.6995 | 0.0250 | 0.7409 | 0.0464 | 0.0202 | 20 | -0.89 | 3% | 0 |
| 019.42 | Calcium, ICP, Open vessel | 45 | 0.7100 | 0.0240 | 0.7409 | 0.0464 | 0.0202 | 20 | -0.67 | 2% | 0 |
| 019.42 | Calcium, ICP, Open vessel | 98 | 0.7150 | 0.0700 | 0.7409 | 0.0464 | 0.0202 | 20 | -0.56 | 2% | 0 |
| 019.42 | Calcium, ICP, Open vessel | 616 | 0.7175 | 0.0410 | 0.7409 | 0.0464 | 0.0202 | 20 | -0.51 | 2% | 0 |
| 019.42 | Calcium, ICP, Open vessel | 309 | 0.7220 | 0.0620 | 0.7409 | 0.0464 | 0.0202 | 20 | -0.41 | 1% | 0 |
| 019.42 | Calcium, ICP, Open vessel | 187 | 0.7238 | 0.0025 | 0.7409 | 0.0464 | 0.0202 | 20 | -0.37 | 1% | 0 |
| 019.42 | Calcium, ICP, Open vessel | 160 | 0.7396 | 0.0219 | 0.7409 | 0.0464 | 0.0202 | 20 | -0.03 | 0% | 0 |
| 019.42 | Calcium, ICP, Open vessel | 190 | 0.7400 | 0.0200 | 0.7409 | 0.0464 | 0.0202 | 20 | -0.02 | 0% | 0 |
| 019.42 | Calcium, ICP, Open vessel | 106 | 0.7440 | 0.0000 | 0.7409 | 0.0464 | 0.0202 | 20 | 0.07 | 0% | 0 |
| 019.42 | Calcium, ICP, Open vessel | 357 | 0.7600 | 0.0000 | 0.7409 | 0.0464 | 0.0202 | 20 | 0.41 | 1% | 0 |
| 019.42 | Calcium, ICP, Open vessel | 186 | 0.7685 | 0.0230 | 0.7409 | 0.0464 | 0.0202 | 20 | 0.59 | 2% | 0 |
| 019.42 | Calcium, ICP, Open vessel | 35 | 0.7700 | 0.0000 | 0.7409 | 0.0464 | 0.0202 | 20 | 0.63 | 2% | 0 |
| 019.42 | Calcium, ICP, Open vessel | 366 | 0.7750 | 0.0500 | 0.7409 | 0.0464 | 0.0202 | 20 | 0.73 | 2% | 0 |
| 019.42 | Calcium, ICP, Open vessel | 726 | 0.7811 | 0.0021 | 0.7409 | 0.0464 | 0.0202 | 20 | 0.86 | 3% | 0 |
| 019.42 | Calcium, ICP, Open vessel | 199 | 0.7950 | 0.0100 | 0.7409 | 0.0464 | 0.0202 | 20 | 1.17 | 4% | 0 |
| 019.42 | Calcium, ICP, Open vessel | 692 | 0.8550 | 0.0100 | 0.7409 | 0.0464 | 0.0202 | 20 | 2.46 | 8% | 0 |
| 019.42 | Calcium, ICP, Open vessel | 202 | 0.8850 | 0.0100 | 0.7409 | 0.0464 | 0.0202 | 20 | 3.11 | 10% | 0 |
| 019.42 | Calcium, ICP, Open vessel | 21 | 0.7425 | 0.1350 | 0.7409 | 0.0464 | 0.0202 | 20 | 0.03 | 0% | 1 |
| 019.43 | Calcium, ICP, Microwave | 588 | 0.6165 | 0.0050 | 0.7543 | 0.0700 | 0.0245 | 13 | -1.97 | 9% | 0 |
| 019.43 | Calcium, ICP, Microwave | 294 | 0.6850 | 0.0100 | 0.7543 | 0.0700 | 0.0245 | 13 | -0.99 | 5% | 0 |
| 019.43 | Calcium, ICP, Microwave | 27 | 0.7005 | 0.0150 | 0.7543 | 0.0700 | 0.0245 | 13 | -0.77 | 4% | 0 |
| 019.43 | Calcium, ICP, Microwave | 508 | 0.7079 | 0.0092 | 0.7543 | 0.0700 | 0.0245 | 13 | -0.66 | 3% | 0 |
| 019.43 | Calcium, ICP, Microwave | 353 | 0.7250 | 0.0300 | 0.7543 | 0.0700 | 0.0245 | 13 | -0.42 | 2% | 0 |
| 019.43 | Calcium, ICP, Microwave | 510 | 0.7450 | 0.0500 | 0.7543 | 0.0700 | 0.0245 | 13 | -0.13 | 1% | 0 |
| 019.43 | Calcium, ICP, Microwave | 297 | 0.7500 | 0.0200 | 0.7543 | 0.0700 | 0.0245 | 13 | -0.06 | 0% | 0 |
| 019.43 | Calcium, ICP, Microwave | 870 | 0.7534 | 0.0110 | 0.7543 | 0.0700 | 0.0245 | 13 | -0.01 | 0% | 0 |
| 019.43 | Calcium, ICP, Microwave | 38 | 0.7835 | 0.0470 | 0.7543 | 0.0700 | 0.0245 | 13 | 0.42 | 2% | 0 |
| 019.43 | Calcium, ICP, Microwave | 345 | 0.7950 | 0.0100 | 0.7543 | 0.0700 | 0.0245 | 13 | 0.58 | 3% | 0 |
| 019.43 | Calcium, ICP, Microwave | 121 | 0.8105 | 0.0230 | 0.7543 | 0.0700 | 0.0245 | 13 | 0.80 | 4% | 0 |
| 019.43 | Calcium, ICP, Microwave | 42 | 0.8650 | 0.0480 | 0.7543 | 0.0700 | 0.0245 | 13 | 1.58 | 7% | 0 |
| 019.43 | Calcium, ICP, Microwave | 28 | 0.8700 | 0.0400 | 0.7543 | 0.0700 | 0.0245 | 13 | 1.65 | 8% | 0 |
| 019.52 | Calcium, ICP-MS, Open vessel | 154 | 0.7666 | 0.0107 | | | 0.0107 | 1 | | | |
| 019.53 | Calcium, ICP-MS, Microwave | 572 | 0.7010 | 0.0060 | | | 0.0060 | 1 | | | |
| 019.99 | Calcium, Miscellaneous | 852 | 0.7150 | 0.0100 | 0.8123 | 0.1248 | 0.0235 | 4 | -0.78 | 6% | 0 |
| 019.99 | Calcium, Miscellaneous | 47 | 0.7600 | 0.0600 | 0.8123 | 0.1248 | 0.0235 | 4 | -0.42 | 3% | 0 |
| 019.99 | Calcium, Miscellaneous | 676 | 0.7790 | 0.0140 | 0.8123 | 0.1248 | 0.0235 | 4 | -0.27 | 2% | 0 |
| 019.99 | Calcium, Miscellaneous | 665 | 0.9950 | 0.0100 | 0.8123 | 0.1248 | 0.0235 | 4 | 1.46 | 11% | 0 |
| 020.31 | Chromium, AAS, Dry ash | 164 | 9.5000 | 1.0000 | | | 1.0000 | 1 | | | |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|-------------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 020.32 | Chromium, AAS, Open vessel | 722 | 7.9464 | 0.3244 | | | 0.3244 | 1 | | | |
| 020.41 | Chromium, ICP, Dry ash | 11 | 12.1975 | 0.6410 | | | 0.6410 | 1 | | | |
| 020.42 | Chromium, ICP, Open vessel | 560 | 5.9650 | 1.6700 | 15.0500 | 7.8901 | 1.3200 | 3 | -1.15 | 30% | 0 |
| 020.42 | Chromium, ICP, Open vessel | 616 | 19.0000 | 1.8000 | 15.0500 | 7.8901 | 1.3200 | 3 | 0.50 | 13% | 0 |
| 020.42 | Chromium, ICP, Open vessel | 21 | 20.1850 | 0.4900 | 15.0500 | 7.8901 | 1.3200 | 3 | 0.65 | 17% | 0 |
| 020.43 | Chromium, ICP, Microwave | 508 | 20.5080 | 1.9820 | 21.4115 | 1.2777 | 1.0260 | 2 | -0.71 | 2% | 0 |
| 020.43 | Chromium, ICP, Microwave | 510 | 22.3150 | 0.0700 | 21.4115 | 1.2777 | 1.0260 | 2 | 0.71 | 2% | 0 |
| 020.99 | Chromium, Miscellaneous | 675 | 15.3450 | 0.1900 | | | 0.1900 | 1 | | | |
| 021.31 | Cobalt, AAS, Dry ash | 164 | 2.3000 | 0.2000 | 2.4917 | 0.2504 | 0.2033 | 3 | -0.77 | 4% | 0 |
| 021.31 | Cobalt, AAS, Dry ash | 689 | 2.4000 | 0.4000 | 2.4917 | 0.2504 | 0.2033 | 3 | -0.37 | 2% | 0 |
| 021.31 | Cobalt, AAS, Dry ash | 619 | 2.7750 | 0.0100 | 2.4917 | 0.2504 | 0.2033 | 3 | 1.13 | 6% | 0 |
| 021.32 | Cobalt, AAS, Open vessel | 722 | 5.3690 | 0.0403 | | | 0.0403 | 1 | | | |
| 021.33 | Cobalt, AAS, Microwave | 610 | 1.9420 | 0.0180 | | | 0.0180 | 1 | | | |
| 021.34 | Cobalt, AAS, Graphite furnace | 596 | 2.0000 | 0.0000 | | | 0.0000 | 1 | | | |
| 021.41 | Cobalt, ICP, Dry ash | 208 | 1.8300 | 0.2200 | 2.2304 | 0.2209 | 0.1170 | 6 | -1.81 | 9% | 0 |
| 021.41 | Cobalt, ICP, Dry ash | 629 | 2.0200 | 0.0200 | 2.2304 | 0.2209 | 0.1170 | 6 | -0.95 | 5% | 0 |
| 021.41 | Cobalt, ICP, Dry ash | 11 | 2.2575 | 0.0920 | 2.2304 | 0.2209 | 0.1170 | 6 | 0.12 | 1% | 0 |
| 021.41 | Cobalt, ICP, Dry ash | 171 | 2.3000 | 0.0000 | 2.2304 | 0.2209 | 0.1170 | 6 | 0.31 | 2% | 0 |
| 021.41 | Cobalt, ICP, Dry ash | 29 | 2.3850 | 0.2700 | 2.2304 | 0.2209 | 0.1170 | 6 | 0.70 | 3% | 0 |
| 021.41 | Cobalt, ICP, Dry ash | 425 | 2.4500 | 0.1000 | 2.2304 | 0.2209 | 0.1170 | 6 | 0.99 | 5% | 0 |
| 021.42 | Cobalt, ICP, Open vessel | 560 | 1.8400 | 0.2400 | 2.1760 | 0.3852 | 0.2140 | 4 | -0.87 | 8% | 0 |
| 021.42 | Cobalt, ICP, Open vessel | 106 | 1.8500 | 0.1000 | 2.1760 | 0.3852 | 0.2140 | 4 | -0.85 | 7% | 0 |
| 021.42 | Cobalt, ICP, Open vessel | 21 | 2.4490 | 0.2860 | 2.1760 | 0.3852 | 0.2140 | 4 | 0.71 | 6% | 0 |
| 021.42 | Cobalt, ICP, Open vessel | 616 | 2.5650 | 0.2300 | 2.1760 | 0.3852 | 0.2140 | 4 | 1.01 | 9% | 0 |
| 021.43 | Cobalt, ICP, Microwave | 169 | 2.6150 | 0.0900 | 2.8651 | 0.4016 | 0.2343 | 4 | -0.62 | 4% | 0 |
| 021.43 | Cobalt, ICP, Microwave | 508 | 2.6805 | 0.3970 | 2.8651 | 0.4016 | 0.2343 | 4 | -0.46 | 3% | 0 |
| 021.43 | Cobalt, ICP, Microwave | 38 | 2.7000 | 0.2000 | 2.8651 | 0.4016 | 0.2343 | 4 | -0.41 | 3% | 0 |
| 021.43 | Cobalt, ICP, Microwave | 510 | 3.4650 | 0.2500 | 2.8651 | 0.4016 | 0.2343 | 4 | 1.49 | 10% | 0 |
| 021.52 | Cobalt, ICP-MS, Open vessel | 154 | 2.9000 | 0.2000 | | | 0.2000 | 1 | | | |
| 022.31 | Copper, AAS, Dry ash | 591 | 12.5000 | 1.0000 | 17.0869 | 2.5354 | 0.8598 | 16 | -1.81 | 13% | 0 |
| 022.31 | Copper, AAS, Dry ash | 720 | 14.3100 | 0.0460 | 17.0869 | 2.5354 | 0.8598 | 16 | -1.10 | 8% | 0 |
| 022.31 | Copper, AAS, Dry ash | 596 | 15.0000 | 0.0000 | 17.0869 | 2.5354 | 0.8598 | 16 | -0.82 | 6% | 0 |
| 022.31 | Copper, AAS, Dry ash | 178 | 15.5000 | 1.0000 | 17.0869 | 2.5354 | 0.8598 | 16 | -0.63 | 5% | 0 |
| 022.31 | Copper, AAS, Dry ash | 505 | 15.5000 | 1.0000 | 17.0869 | 2.5354 | 0.8598 | 16 | -0.63 | 5% | 0 |
| 022.31 | Copper, AAS, Dry ash | 866 | 15.7650 | 0.8300 | 17.0869 | 2.5354 | 0.8598 | 16 | -0.52 | 4% | 0 |
| 022.31 | Copper, AAS, Dry ash | 619 | 16.4000 | 0.0000 | 17.0869 | 2.5354 | 0.8598 | 16 | -0.27 | 2% | 0 |
| 022.31 | Copper, AAS, Dry ash | 675 | 16.6200 | 2.3200 | 17.0869 | 2.5354 | 0.8598 | 16 | -0.18 | 1% | 0 |
| 022.31 | Copper, AAS, Dry ash | 731 | 16.8500 | 0.5000 | 17.0869 | 2.5354 | 0.8598 | 16 | -0.09 | 1% | 0 |
| 022.31 | Copper, AAS, Dry ash | 175 | 17.0000 | 2.0000 | 17.0869 | 2.5354 | 0.8598 | 16 | -0.03 | 0% | 0 |
| 022.31 | Copper, AAS, Dry ash | 669 | 17.0950 | 0.8100 | 17.0869 | 2.5354 | 0.8598 | 16 | 0.00 | 0% | 0 |
| 022.31 | Copper, AAS, Dry ash | 354 | 19.7650 | 0.1500 | 17.0869 | 2.5354 | 0.8598 | 16 | 1.06 | 8% | 0 |
| 022.31 | Copper, AAS, Dry ash | 868 | 20.2000 | 1.0000 | 17.0869 | 2.5354 | 0.8598 | 16 | 1.23 | 9% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|--------------------------|----------|----------|--------|---------------|---------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 022.31 | Copper, AAS, Dry ash | 208 | 20.8500 | 0.9000 | 17.0869 | 2.5354 | 0.8598 | 16 | 1.48 | 11% | 0 |
| 022.31 | Copper, AAS, Dry ash | 350 | 22.0000 | 2.0000 | 17.0869 | 2.5354 | 0.8598 | 16 | 1.94 | 14% | 0 |
| 022.31 | Copper, AAS, Dry ash | 689 | 26.3000 | 0.2000 | 17.0869 | 2.5354 | 0.8598 | 16 | 3.63 | 27% | 0 |
| 022.31 | Copper, AAS, Dry ash | 590 | 13.5000 | 4.6000 | 17.0869 | 2.5354 | 0.8598 | 16 | -1.41 | 10% | 1 |
| 022.32 | Copper, AAS, Open vessel | 722 | 18.8777 | 2.4133 | 34.3839 | 24.7996 | 2.2364 | 5 | -0.63 | 23% | 0 |
| 022.32 | Copper, AAS, Open vessel | 504 | 23.5600 | 1.4800 | 34.3839 | 24.7996 | 2.2364 | 5 | -0.44 | 16% | 0 |
| 022.32 | Copper, AAS, Open vessel | 35 | 25.5000 | 1.0000 | 34.3839 | 24.7996 | 2.2364 | 5 | -0.36 | 13% | 0 |
| 022.32 | Copper, AAS, Open vessel | 38 | 25.5000 | 3.0000 | 34.3839 | 24.7996 | 2.2364 | 5 | -0.36 | 13% | 0 |
| 022.32 | Copper, AAS, Open vessel | 882 | 78.4820 | 3.2888 | 34.3839 | 24.7996 | 2.2364 | 5 | 1.78 | 64% | 0 |
| 022.41 | Copper, ICP, Dry ash | 598 | 8.0000 | 0.0000 | 16.2236 | 3.7294 | 0.8776 | 28 | -2.21 | 25% | 0 |
| 022.41 | Copper, ICP, Dry ash | 550 | 9.7085 | 0.6830 | 16.2236 | 3.7294 | 0.8776 | 28 | -1.75 | 20% | 0 |
| 022.41 | Copper, ICP, Dry ash | 242 | 10.5000 | 1.0000 | 16.2236 | 3.7294 | 0.8776 | 28 | -1.53 | 18% | 0 |
| 022.41 | Copper, ICP, Dry ash | 695 | 12.5900 | 0.3800 | 16.2236 | 3.7294 | 0.8776 | 28 | -0.97 | 11% | 0 |
| 022.41 | Copper, ICP, Dry ash | 171 | 13.4500 | 0.9000 | 16.2236 | 3.7294 | 0.8776 | 28 | -0.74 | 9% | 0 |
| 022.41 | Copper, ICP, Dry ash | 3 | 13.5000 | 1.0000 | 16.2236 | 3.7294 | 0.8776 | 28 | -0.73 | 8% | 0 |
| 022.41 | Copper, ICP, Dry ash | 26 | 13.9000 | 0.4000 | 16.2236 | 3.7294 | 0.8776 | 28 | -0.62 | 7% | 0 |
| 022.41 | Copper, ICP, Dry ash | 511 | 14.0000 | 0.0000 | 16.2236 | 3.7294 | 0.8776 | 28 | -0.60 | 7% | 0 |
| 022.41 | Copper, ICP, Dry ash | 629 | 14.3000 | 0.2000 | 16.2236 | 3.7294 | 0.8776 | 28 | -0.52 | 6% | 0 |
| 022.41 | Copper, ICP, Dry ash | 83 | 14.5000 | 1.0000 | 16.2236 | 3.7294 | 0.8776 | 28 | -0.46 | 5% | 0 |
| 022.41 | Copper, ICP, Dry ash | 229 | 14.5000 | 1.0000 | 16.2236 | 3.7294 | 0.8776 | 28 | -0.46 | 5% | 0 |
| 022.41 | Copper, ICP, Dry ash | 358 | 14.5000 | 0.1400 | 16.2236 | 3.7294 | 0.8776 | 28 | -0.46 | 5% | 0 |
| 022.41 | Copper, ICP, Dry ash | 29 | 15.2250 | 0.6100 | 16.2236 | 3.7294 | 0.8776 | 28 | -0.27 | 3% | 0 |
| 022.41 | Copper, ICP, Dry ash | 553 | 15.8000 | 1.8000 | 16.2236 | 3.7294 | 0.8776 | 28 | -0.11 | 1% | 0 |
| 022.41 | Copper, ICP, Dry ash | 148 | 15.8550 | 0.4100 | 16.2236 | 3.7294 | 0.8776 | 28 | -0.10 | 1% | 0 |
| 022.41 | Copper, ICP, Dry ash | 74 | 16.5000 | 3.0000 | 16.2236 | 3.7294 | 0.8776 | 28 | 0.07 | 1% | 0 |
| 022.41 | Copper, ICP, Dry ash | 164 | 16.5000 | 1.0000 | 16.2236 | 3.7294 | 0.8776 | 28 | 0.07 | 1% | 0 |
| 022.41 | Copper, ICP, Dry ash | 11 | 17.4500 | 0.8200 | 16.2236 | 3.7294 | 0.8776 | 28 | 0.33 | 4% | 0 |
| 022.41 | Copper, ICP, Dry ash | 98 | 17.8000 | 1.2000 | 16.2236 | 3.7294 | 0.8776 | 28 | 0.42 | 5% | 0 |
| 022.41 | Copper, ICP, Dry ash | 405 | 18.0000 | 0.0000 | 16.2236 | 3.7294 | 0.8776 | 28 | 0.48 | 5% | 0 |
| 022.41 | Copper, ICP, Dry ash | 208 | 19.2000 | 0.0000 | 16.2236 | 3.7294 | 0.8776 | 28 | 0.80 | 9% | 0 |
| 022.41 | Copper, ICP, Dry ash | 226 | 19.5000 | 1.0000 | 16.2236 | 3.7294 | 0.8776 | 28 | 0.88 | 10% | 0 |
| 022.41 | Copper, ICP, Dry ash | 8 | 20.5607 | 0.0000 | 16.2236 | 3.7294 | 0.8776 | 28 | 1.16 | 13% | 0 |
| 022.41 | Copper, ICP, Dry ash | 100 | 21.0000 | 4.0000 | 16.2236 | 3.7294 | 0.8776 | 28 | 1.28 | 15% | 0 |
| 022.41 | Copper, ICP, Dry ash | 407 | 21.4550 | 0.6300 | 16.2236 | 3.7294 | 0.8776 | 28 | 1.40 | 16% | 0 |
| 022.41 | Copper, ICP, Dry ash | 425 | 21.5000 | 0.4000 | 16.2236 | 3.7294 | 0.8776 | 28 | 1.41 | 16% | 0 |
| 022.41 | Copper, ICP, Dry ash | 265 | 23.0000 | 0.0000 | 16.2236 | 3.7294 | 0.8776 | 28 | 1.82 | 21% | 0 |
| 022.41 | Copper, ICP, Dry ash | 4 | 23.5000 | 3.0000 | 16.2236 | 3.7294 | 0.8776 | 28 | 1.95 | 22% | 0 |
| 022.41 | Copper, ICP, Dry ash | 682 | 16.6000 | 6.8000 | 16.2236 | 3.7294 | 0.8776 | 28 | 0.10 | 1% | 1 |
| 022.41 | Copper, ICP, Dry ash | 520 | 23.5000 | 7.0000 | 16.2236 | 3.7294 | 0.8776 | 28 | 1.95 | 22% | 1 |
| 022.41 | Copper, ICP, Dry ash | 883 | 121.9800 | 0.5200 | 16.2236 | 3.7294 | 0.8776 | 28 | 28.36 | 326% | 2 |
| 022.42 | Copper, ICP, Open vessel | 613 | 20.0000 | 2.0000 | 24.5396 | 2.8945 | 1.0137 | 19 | -1.57 | 9% | 0 |
| 022.42 | Copper, ICP, Open vessel | 160 | 20.3500 | 1.5000 | 24.5396 | 2.8945 | 1.0137 | 19 | -1.45 | 9% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|-----------------------------|----------|----------|---------|---------------|---------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 022.42 | Copper, ICP, Open vessel | 98 | 21.7000 | 0.8000 | 24.5396 | 2.8945 | 1.0137 | 19 | -0.98 | 6% | 0 |
| 022.42 | Copper, ICP, Open vessel | 309 | 21.9300 | 1.3200 | 24.5396 | 2.8945 | 1.0137 | 19 | -0.90 | 5% | 0 |
| 022.42 | Copper, ICP, Open vessel | 726 | 22.2500 | 0.0800 | 24.5396 | 2.8945 | 1.0137 | 19 | -0.79 | 5% | 0 |
| 022.42 | Copper, ICP, Open vessel | 560 | 22.9000 | 0.8000 | 24.5396 | 2.8945 | 1.0137 | 19 | -0.57 | 3% | 0 |
| 022.42 | Copper, ICP, Open vessel | 35 | 23.0000 | 2.0000 | 24.5396 | 2.8945 | 1.0137 | 19 | -0.53 | 3% | 0 |
| 022.42 | Copper, ICP, Open vessel | 616 | 23.7500 | 1.9000 | 24.5396 | 2.8945 | 1.0137 | 19 | -0.27 | 2% | 0 |
| 022.42 | Copper, ICP, Open vessel | 45 | 24.7000 | 1.2000 | 24.5396 | 2.8945 | 1.0137 | 19 | 0.06 | 0% | 0 |
| 022.42 | Copper, ICP, Open vessel | 199 | 24.9500 | 0.7000 | 24.5396 | 2.8945 | 1.0137 | 19 | 0.14 | 1% | 0 |
| 022.42 | Copper, ICP, Open vessel | 413 | 25.2000 | 1.0000 | 24.5396 | 2.8945 | 1.0137 | 19 | 0.23 | 1% | 0 |
| 022.42 | Copper, ICP, Open vessel | 187 | 25.3000 | 1.3800 | 24.5396 | 2.8945 | 1.0137 | 19 | 0.26 | 2% | 0 |
| 022.42 | Copper, ICP, Open vessel | 190 | 25.3850 | 0.1100 | 24.5396 | 2.8945 | 1.0137 | 19 | 0.29 | 2% | 0 |
| 022.42 | Copper, ICP, Open vessel | 366 | 25.5000 | 1.0000 | 24.5396 | 2.8945 | 1.0137 | 19 | 0.33 | 2% | 0 |
| 022.42 | Copper, ICP, Open vessel | 106 | 25.8500 | 0.7000 | 24.5396 | 2.8945 | 1.0137 | 19 | 0.45 | 3% | 0 |
| 022.42 | Copper, ICP, Open vessel | 357 | 26.5000 | 1.0000 | 24.5396 | 2.8945 | 1.0137 | 19 | 0.68 | 4% | 0 |
| 022.42 | Copper, ICP, Open vessel | 202 | 28.3500 | 0.1000 | 24.5396 | 2.8945 | 1.0137 | 19 | 1.32 | 8% | 0 |
| 022.42 | Copper, ICP, Open vessel | 37 | 30.2050 | 1.3700 | 24.5396 | 2.8945 | 1.0137 | 19 | 1.96 | 12% | 0 |
| 022.42 | Copper, ICP, Open vessel | 692 | 31.0500 | 0.3000 | 24.5396 | 2.8945 | 1.0137 | 19 | 2.25 | 13% | 0 |
| 022.43 | Copper, ICP, Microwave | 870 | 18.3800 | 0.5400 | 23.2147 | 2.6475 | 1.3978 | 14 | -1.83 | 10% | 0 |
| 022.43 | Copper, ICP, Microwave | 846 | 19.7050 | 0.8900 | 23.2147 | 2.6475 | 1.3978 | 14 | -1.33 | 8% | 0 |
| 022.43 | Copper, ICP, Microwave | 294 | 20.7600 | 2.7200 | 23.2147 | 2.6475 | 1.3978 | 14 | -0.93 | 5% | 0 |
| 022.43 | Copper, ICP, Microwave | 588 | 22.1650 | 0.0300 | 23.2147 | 2.6475 | 1.3978 | 14 | -0.40 | 2% | 0 |
| 022.43 | Copper, ICP, Microwave | 353 | 22.5300 | 1.2000 | 23.2147 | 2.6475 | 1.3978 | 14 | -0.26 | 1% | 0 |
| 022.43 | Copper, ICP, Microwave | 345 | 22.8000 | 0.2000 | 23.2147 | 2.6475 | 1.3978 | 14 | -0.16 | 1% | 0 |
| 022.43 | Copper, ICP, Microwave | 121 | 22.9940 | 2.0220 | 23.2147 | 2.6475 | 1.3978 | 14 | -0.08 | 0% | 0 |
| 022.43 | Copper, ICP, Microwave | 510 | 23.0000 | 0.0000 | 23.2147 | 2.6475 | 1.3978 | 14 | -0.08 | 0% | 0 |
| 022.43 | Copper, ICP, Microwave | 27 | 23.1800 | 1.6400 | 23.2147 | 2.6475 | 1.3978 | 14 | -0.01 | 0% | 0 |
| 022.43 | Copper, ICP, Microwave | 169 | 24.0500 | 0.5000 | 23.2147 | 2.6475 | 1.3978 | 14 | 0.32 | 2% | 0 |
| 022.43 | Copper, ICP, Microwave | 38 | 25.5000 | 1.0000 | 23.2147 | 2.6475 | 1.3978 | 14 | 0.86 | 5% | 0 |
| 022.43 | Copper, ICP, Microwave | 508 | 25.6715 | 2.4270 | 23.2147 | 2.6475 | 1.3978 | 14 | 0.93 | 5% | 0 |
| 022.43 | Copper, ICP, Microwave | 297 | 29.0000 | 4.0000 | 23.2147 | 2.6475 | 1.3978 | 14 | 2.19 | 12% | 0 |
| 022.43 | Copper, ICP, Microwave | 42 | 30.6000 | 2.4000 | 23.2147 | 2.6475 | 1.3978 | 14 | 2.79 | 16% | 0 |
| 022.52 | Copper, ICP-MS, Open vessel | 154 | 29.0000 | 4.0000 | | | 4.0000 | 1 | | | |
| 022.53 | Copper, ICP-MS, Microwave | 572 | 23.7000 | 2.4000 | | | 2.4000 | 1 | | | |
| 023.01 | Fluorine, Ion Sel Elect | 619 | 0.0010 | 0.0000 | 0.0011 | 0.0001 | 0.0000 | 3 | -1.15 | 6% | 0 |
| 023.01 | Fluorine, Ion Sel Elect | 868 | 0.0012 | 0.0000 | 0.0011 | 0.0001 | 0.0000 | 3 | 0.58 | 3% | 0 |
| 023.01 | Fluorine, Ion Sel Elect | 878 | 0.0012 | 0.0000 | 0.0011 | 0.0001 | 0.0000 | 3 | 0.58 | 3% | 0 |
| 024.99 | Iodine, Miscellaneous | 154 | 1.8000 | 0.0000 | | | 0.0000 | 1 | | | |
| 025.31 | Iron, AAS, Dry ash | 505 | 202.5000 | 15.0000 | 237.4581 | 19.3576 | 5.7440 | 15 | -1.81 | 7% | 0 |
| 025.31 | Iron, AAS, Dry ash | 670 | 209.5000 | 4.8000 | 237.4581 | 19.3576 | 5.7440 | 15 | -1.44 | 6% | 0 |
| 025.31 | Iron, AAS, Dry ash | 619 | 218.5000 | 1.0000 | 237.4581 | 19.3576 | 5.7440 | 15 | -0.98 | 4% | 0 |
| 025.31 | Iron, AAS, Dry ash | 354 | 227.0850 | 1.3500 | 237.4581 | 19.3576 | 5.7440 | 15 | -0.54 | 2% | 0 |
| 025.31 | Iron, AAS, Dry ash | 596 | 230.0000 | 2.0000 | 237.4581 | 19.3576 | 5.7440 | 15 | -0.39 | 2% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|-------------------------|----------|----------|---------|---------------|---------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 025.31 | Iron, AAS, Dry ash | 874 | 231.5000 | 9.0000 | 237.4581 | 19.3576 | 5.7440 | 15 | -0.31 | 1% | 0 |
| 025.31 | Iron, AAS, Dry ash | 675 | 233.7650 | 0.4100 | 237.4581 | 19.3576 | 5.7440 | 15 | -0.19 | 1% | 0 |
| 025.31 | Iron, AAS, Dry ash | 350 | 237.5000 | 7.0000 | 237.4581 | 19.3576 | 5.7440 | 15 | 0.00 | 0% | 0 |
| 025.31 | Iron, AAS, Dry ash | 208 | 240.0000 | 2.0000 | 237.4581 | 19.3576 | 5.7440 | 15 | 0.13 | 1% | 0 |
| 025.31 | Iron, AAS, Dry ash | 868 | 243.4500 | 0.1000 | 237.4581 | 19.3576 | 5.7440 | 15 | 0.31 | 1% | 0 |
| 025.31 | Iron, AAS, Dry ash | 720 | 250.9000 | 3.0000 | 237.4581 | 19.3576 | 5.7440 | 15 | 0.69 | 3% | 0 |
| 025.31 | Iron, AAS, Dry ash | 689 | 256.7500 | 13.5000 | 237.4581 | 19.3576 | 5.7440 | 15 | 1.00 | 4% | 0 |
| 025.31 | Iron, AAS, Dry ash | 591 | 257.5000 | 11.0000 | 237.4581 | 19.3576 | 5.7440 | 15 | 1.04 | 4% | 0 |
| 025.31 | Iron, AAS, Dry ash | 175 | 258.0000 | 12.0000 | 237.4581 | 19.3576 | 5.7440 | 15 | 1.06 | 4% | 0 |
| 025.31 | Iron, AAS, Dry ash | 38 | 259.0000 | 4.0000 | 237.4581 | 19.3576 | 5.7440 | 15 | 1.11 | 5% | 0 |
| 025.32 | Iron, AAS, Open vessel | 656 | 216.0450 | 9.5900 | 252.5318 | 40.5261 | 7.4357 | 3 | -0.90 | 7% | 0 |
| 025.32 | Iron, AAS, Open vessel | 504 | 245.4000 | 9.4000 | 252.5318 | 40.5261 | 7.4357 | 3 | -0.18 | 1% | 0 |
| 025.32 | Iron, AAS, Open vessel | 722 | 296.1503 | 3.3170 | 252.5318 | 40.5261 | 7.4357 | 3 | 1.08 | 9% | 0 |
| 025.41 | Iron, ICP, Dry ash | 3 | 135.5000 | 3.0000 | 230.1163 | 19.7129 | 8.9966 | 29 | -4.80 | 21% | 0 |
| 025.41 | Iron, ICP, Dry ash | 598 | 178.0000 | 6.0000 | 230.1163 | 19.7129 | 8.9966 | 29 | -2.64 | 11% | 0 |
| 025.41 | Iron, ICP, Dry ash | 300 | 192.8880 | 26.1040 | 230.1163 | 19.7129 | 8.9966 | 29 | -1.89 | 8% | 0 |
| 025.41 | Iron, ICP, Dry ash | 405 | 205.0000 | 14.0000 | 230.1163 | 19.7129 | 8.9966 | 29 | -1.27 | 5% | 0 |
| 025.41 | Iron, ICP, Dry ash | 695 | 205.1550 | 9.8700 | 230.1163 | 19.7129 | 8.9966 | 29 | -1.27 | 5% | 0 |
| 025.41 | Iron, ICP, Dry ash | 26 | 206.0000 | 4.0000 | 230.1163 | 19.7129 | 8.9966 | 29 | -1.22 | 5% | 0 |
| 025.41 | Iron, ICP, Dry ash | 226 | 217.5000 | 1.0000 | 230.1163 | 19.7129 | 8.9966 | 29 | -0.64 | 3% | 0 |
| 025.41 | Iron, ICP, Dry ash | 83 | 218.0000 | 8.0000 | 230.1163 | 19.7129 | 8.9966 | 29 | -0.61 | 3% | 0 |
| 025.41 | Iron, ICP, Dry ash | 171 | 220.5000 | 7.0000 | 230.1163 | 19.7129 | 8.9966 | 29 | -0.49 | 2% | 0 |
| 025.41 | Iron, ICP, Dry ash | 511 | 223.5000 | 3.0000 | 230.1163 | 19.7129 | 8.9966 | 29 | -0.34 | 1% | 0 |
| 025.41 | Iron, ICP, Dry ash | 553 | 226.5000 | 3.0000 | 230.1163 | 19.7129 | 8.9966 | 29 | -0.18 | 1% | 0 |
| 025.41 | Iron, ICP, Dry ash | 164 | 227.5000 | 5.0000 | 230.1163 | 19.7129 | 8.9966 | 29 | -0.13 | 1% | 0 |
| 025.41 | Iron, ICP, Dry ash | 242 | 229.5000 | 1.0000 | 230.1163 | 19.7129 | 8.9966 | 29 | -0.03 | 0% | 0 |
| 025.41 | Iron, ICP, Dry ash | 407 | 230.0000 | 0.0000 | 230.1163 | 19.7129 | 8.9966 | 29 | -0.01 | 0% | 0 |
| 025.41 | Iron, ICP, Dry ash | 358 | 230.3900 | 12.4600 | 230.1163 | 19.7129 | 8.9966 | 29 | 0.01 | 0% | 0 |
| 025.41 | Iron, ICP, Dry ash | 100 | 230.5000 | 19.0000 | 230.1163 | 19.7129 | 8.9966 | 29 | 0.02 | 0% | 0 |
| 025.41 | Iron, ICP, Dry ash | 229 | 232.0000 | 4.0000 | 230.1163 | 19.7129 | 8.9966 | 29 | 0.10 | 0% | 0 |
| 025.41 | Iron, ICP, Dry ash | 11 | 232.1175 | 3.7650 | 230.1163 | 19.7129 | 8.9966 | 29 | 0.10 | 0% | 0 |
| 025.41 | Iron, ICP, Dry ash | 148 | 235.3000 | 0.2000 | 230.1163 | 19.7129 | 8.9966 | 29 | 0.26 | 1% | 0 |
| 025.41 | Iron, ICP, Dry ash | 682 | 236.5600 | 27.7400 | 230.1163 | 19.7129 | 8.9966 | 29 | 0.33 | 1% | 0 |
| 025.41 | Iron, ICP, Dry ash | 425 | 239.8000 | 0.4000 | 230.1163 | 19.7129 | 8.9966 | 29 | 0.49 | 2% | 0 |
| 025.41 | Iron, ICP, Dry ash | 8 | 241.9439 | 0.0000 | 230.1163 | 19.7129 | 8.9966 | 29 | 0.60 | 3% | 0 |
| 025.41 | Iron, ICP, Dry ash | 4 | 242.0000 | 2.0000 | 230.1163 | 19.7129 | 8.9966 | 29 | 0.60 | 3% | 0 |
| 025.41 | Iron, ICP, Dry ash | 29 | 249.0500 | 33.5000 | 230.1163 | 19.7129 | 8.9966 | 29 | 0.96 | 4% | 0 |
| 025.41 | Iron, ICP, Dry ash | 520 | 256.0000 | 14.0000 | 230.1163 | 19.7129 | 8.9966 | 29 | 1.31 | 6% | 0 |
| 025.41 | Iron, ICP, Dry ash | 208 | 259.0000 | 4.0000 | 230.1163 | 19.7129 | 8.9966 | 29 | 1.47 | 6% | 0 |
| 025.41 | Iron, ICP, Dry ash | 98 | 262.4500 | 20.3000 | 230.1163 | 19.7129 | 8.9966 | 29 | 1.64 | 7% | 0 |
| 025.41 | Iron, ICP, Dry ash | 550 | 265.2760 | 25.9520 | 230.1163 | 19.7129 | 8.9966 | 29 | 1.78 | 8% | 0 |
| 025.41 | Iron, ICP, Dry ash | 883 | 306.2450 | 2.6100 | 230.1163 | 19.7129 | 8.9966 | 29 | 3.86 | 17% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|-----------------------------|----------|----------|----------|---------------|---------|---------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 025.41 | Iron, ICP, Dry ash | 265 | 341.0000 | 150.0000 | 230.1163 | 19.7129 | 8.9966 | 29 | 5.62 | 24% | 1 |
| 025.42 | Iron, ICP, Open vessel | 160 | 148.7000 | 16.8000 | 224.2100 | 53.3838 | 14.2250 | 14 | -1.41 | 17% | 0 |
| 025.42 | Iron, ICP, Open vessel | 309 | 163.6500 | 16.7000 | 224.2100 | 53.3838 | 14.2250 | 14 | -1.13 | 14% | 0 |
| 025.42 | Iron, ICP, Open vessel | 106 | 180.5000 | 5.0000 | 224.2100 | 53.3838 | 14.2250 | 14 | -0.82 | 10% | 0 |
| 025.42 | Iron, ICP, Open vessel | 616 | 182.5000 | 27.0000 | 224.2100 | 53.3838 | 14.2250 | 14 | -0.78 | 9% | 0 |
| 025.42 | Iron, ICP, Open vessel | 560 | 196.5000 | 27.0000 | 224.2100 | 53.3838 | 14.2250 | 14 | -0.52 | 6% | 0 |
| 025.42 | Iron, ICP, Open vessel | 613 | 204.0000 | 22.0000 | 224.2100 | 53.3838 | 14.2250 | 14 | -0.38 | 5% | 0 |
| 025.42 | Iron, ICP, Open vessel | 187 | 213.2550 | 1.1500 | 224.2100 | 53.3838 | 14.2250 | 14 | -0.21 | 2% | 0 |
| 025.42 | Iron, ICP, Open vessel | 45 | 234.5000 | 5.0000 | 224.2100 | 53.3838 | 14.2250 | 14 | 0.19 | 2% | 0 |
| 025.42 | Iron, ICP, Open vessel | 413 | 246.0000 | 0.0000 | 224.2100 | 53.3838 | 14.2250 | 14 | 0.41 | 5% | 0 |
| 025.42 | Iron, ICP, Open vessel | 199 | 251.8000 | 13.0000 | 224.2100 | 53.3838 | 14.2250 | 14 | 0.52 | 6% | 0 |
| 025.42 | Iron, ICP, Open vessel | 692 | 265.5000 | 13.0000 | 224.2100 | 53.3838 | 14.2250 | 14 | 0.77 | 9% | 0 |
| 025.42 | Iron, ICP, Open vessel | 21 | 266.7500 | 45.5000 | 224.2100 | 53.3838 | 14.2250 | 14 | 0.80 | 9% | 0 |
| 025.42 | Iron, ICP, Open vessel | 366 | 281.0000 | 4.0000 | 224.2100 | 53.3838 | 14.2250 | 14 | 1.06 | 13% | 0 |
| 025.42 | Iron, ICP, Open vessel | 37 | 309.5000 | 3.0000 | 224.2100 | 53.3838 | 14.2250 | 14 | 1.60 | 19% | 0 |
| 025.42 | Iron, ICP, Open vessel | 98 | 239.5000 | 125.0000 | 224.2100 | 53.3838 | 14.2250 | 14 | 0.29 | 3% | 1 |
| 025.43 | Iron, ICP, Microwave | 294 | 176.9600 | 2.6000 | 236.9944 | 28.4990 | 4.5322 | 11 | -2.11 | 13% | 0 |
| 025.43 | Iron, ICP, Microwave | 353 | 182.2500 | 1.1000 | 236.9944 | 28.4990 | 4.5322 | 11 | -1.92 | 12% | 0 |
| 025.43 | Iron, ICP, Microwave | 297 | 214.0000 | 10.0000 | 236.9944 | 28.4990 | 4.5322 | 11 | -0.81 | 5% | 0 |
| 025.43 | Iron, ICP, Microwave | 121 | 224.4155 | 0.3750 | 236.9944 | 28.4990 | 4.5322 | 11 | -0.44 | 3% | 0 |
| 025.43 | Iron, ICP, Microwave | 588 | 228.7000 | 0.8000 | 236.9944 | 28.4990 | 4.5322 | 11 | -0.29 | 2% | 0 |
| 025.43 | Iron, ICP, Microwave | 508 | 241.5155 | 1.7790 | 236.9944 | 28.4990 | 4.5322 | 11 | 0.16 | 1% | 0 |
| 025.43 | Iron, ICP, Microwave | 345 | 245.2000 | 9.4000 | 236.9944 | 28.4990 | 4.5322 | 11 | 0.29 | 2% | 0 |
| 025.43 | Iron, ICP, Microwave | 169 | 247.0000 | 12.0000 | 236.9944 | 28.4990 | 4.5322 | 11 | 0.35 | 2% | 0 |
| 025.43 | Iron, ICP, Microwave | 870 | 248.1000 | 4.8000 | 236.9944 | 28.4990 | 4.5322 | 11 | 0.39 | 2% | 0 |
| 025.43 | Iron, ICP, Microwave | 510 | 271.5000 | 1.0000 | 236.9944 | 28.4990 | 4.5322 | 11 | 1.21 | 7% | 0 |
| 025.43 | Iron, ICP, Microwave | 42 | 298.0000 | 6.0000 | 236.9944 | 28.4990 | 4.5322 | 11 | 2.14 | 13% | 0 |
| 025.43 | Iron, ICP, Microwave | 38 | 262.0000 | 24.0000 | 236.9944 | 28.4990 | 4.5322 | 11 | 0.88 | 5% | 1 |
| 025.52 | Iron, ICP-MS, Open vessel | 154 | 246.5000 | 9.0000 | | | 9.0000 | 1 | | | |
| 026.34 | Lead, AAS, Graphite furnace | 596 | 0.5080 | 0.0900 | | | 0.0900 | 1 | | | |
| 026.99 | Lead, Miscellaneous | 619 | 0.0000 | 0.0000 | | | 0.0000 | 1 | | | |
| 027.03 | #N/A | 864 | 0.1900 | 0.0000 | | | 0.0000 | 1 | | | |
| 027.31 | Magnesium, AAS, Dry ash | 675 | 0.1600 | 0.0000 | 0.1913 | 0.0084 | 0.0067 | 19 | -3.73 | 8% | 0 |
| 027.31 | Magnesium, AAS, Dry ash | 175 | 0.1750 | 0.0100 | 0.1913 | 0.0084 | 0.0067 | 19 | -1.95 | 4% | 0 |
| 027.31 | Magnesium, AAS, Dry ash | 669 | 0.1775 | 0.0050 | 0.1913 | 0.0084 | 0.0067 | 19 | -1.65 | 4% | 0 |
| 027.31 | Magnesium, AAS, Dry ash | 650 | 0.1818 | 0.0009 | 0.1913 | 0.0084 | 0.0067 | 19 | -1.14 | 3% | 0 |
| 027.31 | Magnesium, AAS, Dry ash | 38 | 0.1875 | 0.0010 | 0.1913 | 0.0084 | 0.0067 | 19 | -0.46 | 1% | 0 |
| 027.31 | Magnesium, AAS, Dry ash | 350 | 0.1895 | 0.0070 | 0.1913 | 0.0084 | 0.0067 | 19 | -0.22 | 0% | 0 |
| 027.31 | Magnesium, AAS, Dry ash | 142 | 0.1900 | 0.0000 | 0.1913 | 0.0084 | 0.0067 | 19 | -0.16 | 0% | 0 |
| 027.31 | Magnesium, AAS, Dry ash | 505 | 0.1900 | 0.0200 | 0.1913 | 0.0084 | 0.0067 | 19 | -0.16 | 0% | 0 |
| 027.31 | Magnesium, AAS, Dry ash | 65 | 0.1901 | 0.0001 | 0.1913 | 0.0084 | 0.0067 | 19 | -0.15 | 0% | 0 |
| 027.31 | Magnesium, AAS, Dry ash | 590 | 0.1902 | 0.0040 | 0.1913 | 0.0084 | 0.0067 | 19 | -0.14 | 0% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|-----------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 027.31 | Magnesium, AAS, Dry ash | 731 | 0.1930 | 0.0000 | 0.1913 | 0.0084 | 0.0067 | 19 | 0.20 | 0% | 0 |
| 027.31 | Magnesium, AAS, Dry ash | 619 | 0.1935 | 0.0090 | 0.1913 | 0.0084 | 0.0067 | 19 | 0.26 | 1% | 0 |
| 027.31 | Magnesium, AAS, Dry ash | 874 | 0.1940 | 0.0040 | 0.1913 | 0.0084 | 0.0067 | 19 | 0.32 | 1% | 0 |
| 027.31 | Magnesium, AAS, Dry ash | 354 | 0.1950 | 0.0100 | 0.1913 | 0.0084 | 0.0067 | 19 | 0.44 | 1% | 0 |
| 027.31 | Magnesium, AAS, Dry ash | 208 | 0.1990 | 0.0040 | 0.1913 | 0.0084 | 0.0067 | 19 | 0.91 | 2% | 0 |
| 027.31 | Magnesium, AAS, Dry ash | 868 | 0.2040 | 0.0020 | 0.1913 | 0.0084 | 0.0067 | 19 | 1.51 | 3% | 0 |
| 027.31 | Magnesium, AAS, Dry ash | 596 | 0.2100 | 0.0200 | 0.1913 | 0.0084 | 0.0067 | 19 | 2.22 | 5% | 0 |
| 027.31 | Magnesium, AAS, Dry ash | 591 | 0.2150 | 0.0100 | 0.1913 | 0.0084 | 0.0067 | 19 | 2.82 | 6% | 0 |
| 027.31 | Magnesium, AAS, Dry ash | 720 | 0.2200 | 0.0200 | 0.1913 | 0.0084 | 0.0067 | 19 | 3.41 | 7% | 0 |
| 027.32 | Magnesium, AAS, Open vessel | 882 | 0.1154 | 0.0003 | 0.2008 | 0.0150 | 0.0041 | 8 | -5.70 | 21% | 0 |
| 027.32 | Magnesium, AAS, Open vessel | 722 | 0.1793 | 0.0013 | 0.2008 | 0.0150 | 0.0041 | 8 | -1.44 | 5% | 0 |
| 027.32 | Magnesium, AAS, Open vessel | 656 | 0.1950 | 0.0100 | 0.2008 | 0.0150 | 0.0041 | 8 | -0.39 | 1% | 0 |
| 027.32 | Magnesium, AAS, Open vessel | 263 | 0.2027 | 0.0009 | 0.2008 | 0.0150 | 0.0041 | 8 | 0.12 | 0% | 0 |
| 027.32 | Magnesium, AAS, Open vessel | 609 | 0.2050 | 0.0100 | 0.2008 | 0.0150 | 0.0041 | 8 | 0.28 | 1% | 0 |
| 027.32 | Magnesium, AAS, Open vessel | 35 | 0.2100 | 0.0000 | 0.2008 | 0.0150 | 0.0041 | 8 | 0.61 | 2% | 0 |
| 027.32 | Magnesium, AAS, Open vessel | 504 | 0.2145 | 0.0002 | 0.2008 | 0.0150 | 0.0041 | 8 | 0.91 | 3% | 0 |
| 027.32 | Magnesium, AAS, Open vessel | 169 | 0.2150 | 0.0100 | 0.2008 | 0.0150 | 0.0041 | 8 | 0.95 | 4% | 0 |
| 027.41 | Magnesium, ICP, Dry ash | 358 | 0.1700 | 0.0000 | 0.1934 | 0.0132 | 0.0055 | 29 | -1.78 | 6% | 0 |
| 027.41 | Magnesium, ICP, Dry ash | 229 | 0.1750 | 0.0100 | 0.1934 | 0.0132 | 0.0055 | 29 | -1.40 | 5% | 0 |
| 027.41 | Magnesium, ICP, Dry ash | 83 | 0.1800 | 0.0000 | 0.1934 | 0.0132 | 0.0055 | 29 | -1.02 | 3% | 0 |
| 027.41 | Magnesium, ICP, Dry ash | 511 | 0.1800 | 0.0000 | 0.1934 | 0.0132 | 0.0055 | 29 | -1.02 | 3% | 0 |
| 027.41 | Magnesium, ICP, Dry ash | 553 | 0.1800 | 0.0000 | 0.1934 | 0.0132 | 0.0055 | 29 | -1.02 | 3% | 0 |
| 027.41 | Magnesium, ICP, Dry ash | 171 | 0.1840 | 0.0040 | 0.1934 | 0.0132 | 0.0055 | 29 | -0.72 | 2% | 0 |
| 027.41 | Magnesium, ICP, Dry ash | 26 | 0.1850 | 0.0020 | 0.1934 | 0.0132 | 0.0055 | 29 | -0.64 | 2% | 0 |
| 027.41 | Magnesium, ICP, Dry ash | 242 | 0.1850 | 0.0100 | 0.1934 | 0.0132 | 0.0055 | 29 | -0.64 | 2% | 0 |
| 027.41 | Magnesium, ICP, Dry ash | 425 | 0.1850 | 0.0100 | 0.1934 | 0.0132 | 0.0055 | 29 | -0.64 | 2% | 0 |
| 027.41 | Magnesium, ICP, Dry ash | 695 | 0.1850 | 0.0100 | 0.1934 | 0.0132 | 0.0055 | 29 | -0.64 | 2% | 0 |
| 027.41 | Magnesium, ICP, Dry ash | 148 | 0.1865 | 0.0030 | 0.1934 | 0.0132 | 0.0055 | 29 | -0.53 | 2% | 0 |
| 027.41 | Magnesium, ICP, Dry ash | 300 | 0.1890 | 0.0100 | 0.1934 | 0.0132 | 0.0055 | 29 | -0.34 | 1% | 0 |
| 027.41 | Magnesium, ICP, Dry ash | 74 | 0.1900 | 0.0000 | 0.1934 | 0.0132 | 0.0055 | 29 | -0.26 | 1% | 0 |
| 027.41 | Magnesium, ICP, Dry ash | 164 | 0.1900 | 0.0000 | 0.1934 | 0.0132 | 0.0055 | 29 | -0.26 | 1% | 0 |
| 027.41 | Magnesium, ICP, Dry ash | 29 | 0.1907 | 0.0207 | 0.1934 | 0.0132 | 0.0055 | 29 | -0.21 | 1% | 0 |
| 027.41 | Magnesium, ICP, Dry ash | 11 | 0.1933 | 0.0048 | 0.1934 | 0.0132 | 0.0055 | 29 | -0.01 | 0% | 0 |
| 027.41 | Magnesium, ICP, Dry ash | 598 | 0.1955 | 0.0063 | 0.1934 | 0.0132 | 0.0055 | 29 | 0.15 | 1% | 0 |
| 027.41 | Magnesium, ICP, Dry ash | 4 | 0.1960 | 0.0000 | 0.1934 | 0.0132 | 0.0055 | 29 | 0.19 | 1% | 0 |
| 027.41 | Magnesium, ICP, Dry ash | 550 | 0.1970 | 0.0060 | 0.1934 | 0.0132 | 0.0055 | 29 | 0.27 | 1% | 0 |
| 027.41 | Magnesium, ICP, Dry ash | 98 | 0.2000 | 0.0200 | 0.1934 | 0.0132 | 0.0055 | 29 | 0.50 | 2% | 0 |
| 027.41 | Magnesium, ICP, Dry ash | 100 | 0.2000 | 0.0200 | 0.1934 | 0.0132 | 0.0055 | 29 | 0.50 | 2% | 0 |
| 027.41 | Magnesium, ICP, Dry ash | 407 | 0.2050 | 0.0000 | 0.1934 | 0.0132 | 0.0055 | 29 | 0.88 | 3% | 0 |
| 027.41 | Magnesium, ICP, Dry ash | 226 | 0.2050 | 0.0100 | 0.1934 | 0.0132 | 0.0055 | 29 | 0.88 | 3% | 0 |
| 027.41 | Magnesium, ICP, Dry ash | 413 | 0.2050 | 0.0100 | 0.1934 | 0.0132 | 0.0055 | 29 | 0.88 | 3% | 0 |
| 027.41 | Magnesium, ICP, Dry ash | 405 | 0.2100 | 0.0000 | 0.1934 | 0.0132 | 0.0055 | 29 | 1.26 | 4% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|--------------------------------|----------|-----------|---------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 027.41 | Magnesium, ICP, Dry ash | 520 | 0.2100 | 0.0000 | 0.1934 | 0.0132 | 0.0055 | 29 | 1.26 | 4% | 0 |
| 027.41 | Magnesium, ICP, Dry ash | 208 | 0.2120 | 0.0020 | 0.1934 | 0.0132 | 0.0055 | 29 | 1.41 | 5% | 0 |
| 027.41 | Magnesium, ICP, Dry ash | 682 | 0.2200 | 0.0000 | 0.1934 | 0.0132 | 0.0055 | 29 | 2.02 | 7% | 0 |
| 027.41 | Magnesium, ICP, Dry ash | 3 | 0.2400 | 0.0000 | 0.1934 | 0.0132 | 0.0055 | 29 | 3.53 | 12% | 0 |
| 027.41 | Magnesium, ICP, Dry ash | 265 | 10.5950 | 20.8100 | 0.1934 | 0.0132 | 0.0055 | 29 | 789.74 | 2688% | 1 |
| 027.41 | Magnesium, ICP, Dry ash | 629 | 1702.5000 | 35.0000 | 0.1934 | 0.0132 | 0.0055 | 29 | 129248.44 | 439995% | 1 |
| 027.41 | Magnesium, ICP, Dry ash | 8 | 1975.0037 | 0.0000 | 0.1934 | 0.0132 | 0.0055 | 29 | 149938.41 | 510429% | 3 |
| 027.42 | Magnesium, ICP, Open vessel | 37 | 0.1775 | 0.0070 | 0.1952 | 0.0132 | 0.0062 | 20 | -1.34 | 5% | 0 |
| 027.42 | Magnesium, ICP, Open vessel | 45 | 0.1830 | 0.0040 | 0.1952 | 0.0132 | 0.0062 | 20 | -0.92 | 3% | 0 |
| 027.42 | Magnesium, ICP, Open vessel | 187 | 0.1835 | 0.0010 | 0.1952 | 0.0132 | 0.0062 | 20 | -0.89 | 3% | 0 |
| 027.42 | Magnesium, ICP, Open vessel | 616 | 0.1840 | 0.0060 | 0.1952 | 0.0132 | 0.0062 | 20 | -0.85 | 3% | 0 |
| 027.42 | Magnesium, ICP, Open vessel | 98 | 0.1850 | 0.0100 | 0.1952 | 0.0132 | 0.0062 | 20 | -0.77 | 3% | 0 |
| 027.42 | Magnesium, ICP, Open vessel | 613 | 0.1850 | 0.0100 | 0.1952 | 0.0132 | 0.0062 | 20 | -0.77 | 3% | 0 |
| 027.42 | Magnesium, ICP, Open vessel | 309 | 0.1859 | 0.0029 | 0.1952 | 0.0132 | 0.0062 | 20 | -0.71 | 2% | 0 |
| 027.42 | Magnesium, ICP, Open vessel | 560 | 0.1870 | 0.0020 | 0.1952 | 0.0132 | 0.0062 | 20 | -0.62 | 2% | 0 |
| 027.42 | Magnesium, ICP, Open vessel | 357 | 0.1900 | 0.0000 | 0.1952 | 0.0132 | 0.0062 | 20 | -0.39 | 1% | 0 |
| 027.42 | Magnesium, ICP, Open vessel | 160 | 0.1930 | 0.0096 | 0.1952 | 0.0132 | 0.0062 | 20 | -0.17 | 1% | 0 |
| 027.42 | Magnesium, ICP, Open vessel | 106 | 0.1945 | 0.0050 | 0.1952 | 0.0132 | 0.0062 | 20 | -0.05 | 0% | 0 |
| 027.42 | Magnesium, ICP, Open vessel | 190 | 0.1950 | 0.0100 | 0.1952 | 0.0132 | 0.0062 | 20 | -0.02 | 0% | 0 |
| 027.42 | Magnesium, ICP, Open vessel | 366 | 0.2000 | 0.0000 | 0.1952 | 0.0132 | 0.0062 | 20 | 0.36 | 1% | 0 |
| 027.42 | Magnesium, ICP, Open vessel | 504 | 0.2000 | 0.0080 | 0.1952 | 0.0132 | 0.0062 | 20 | 0.36 | 1% | 0 |
| 027.42 | Magnesium, ICP, Open vessel | 199 | 0.2050 | 0.0100 | 0.1952 | 0.0132 | 0.0062 | 20 | 0.74 | 3% | 0 |
| 027.42 | Magnesium, ICP, Open vessel | 726 | 0.2066 | 0.0003 | 0.1952 | 0.0132 | 0.0062 | 20 | 0.86 | 3% | 0 |
| 027.42 | Magnesium, ICP, Open vessel | 35 | 0.2100 | 0.0000 | 0.1952 | 0.0132 | 0.0062 | 20 | 1.12 | 4% | 0 |
| 027.42 | Magnesium, ICP, Open vessel | 186 | 0.2110 | 0.0080 | 0.1952 | 0.0132 | 0.0062 | 20 | 1.19 | 4% | 0 |
| 027.42 | Magnesium, ICP, Open vessel | 692 | 0.2200 | 0.0200 | 0.1952 | 0.0132 | 0.0062 | 20 | 1.87 | 6% | 0 |
| 027.42 | Magnesium, ICP, Open vessel | 202 | 0.2350 | 0.0100 | 0.1952 | 0.0132 | 0.0062 | 20 | 3.00 | 10% | 0 |
| 027.42 | Magnesium, ICP, Open vessel | 21 | 0.1976 | 0.0272 | 0.1952 | 0.0132 | 0.0062 | 20 | 0.18 | 1% | 1 |
| 027.43 | Magnesium, ICP, Microwave | 588 | 0.1830 | 0.0000 | 0.1924 | 0.0072 | 0.0055 | 11 | -1.30 | 2% | 0 |
| 027.43 | Magnesium, ICP, Microwave | 353 | 0.1850 | 0.0100 | 0.1924 | 0.0072 | 0.0055 | 11 | -1.02 | 2% | 0 |
| 027.43 | Magnesium, ICP, Microwave | 870 | 0.1865 | 0.0012 | 0.1924 | 0.0072 | 0.0055 | 11 | -0.82 | 2% | 0 |
| 027.43 | Magnesium, ICP, Microwave | 38 | 0.1885 | 0.0010 | 0.1924 | 0.0072 | 0.0055 | 11 | -0.54 | 1% | 0 |
| 027.43 | Magnesium, ICP, Microwave | 294 | 0.1900 | 0.0000 | 0.1924 | 0.0072 | 0.0055 | 11 | -0.33 | 1% | 0 |
| 027.43 | Magnesium, ICP, Microwave | 121 | 0.1935 | 0.0030 | 0.1924 | 0.0072 | 0.0055 | 11 | 0.15 | 0% | 0 |
| 027.43 | Magnesium, ICP, Microwave | 510 | 0.1950 | 0.0100 | 0.1924 | 0.0072 | 0.0055 | 11 | 0.36 | 1% | 0 |
| 027.43 | Magnesium, ICP, Microwave | 508 | 0.1953 | 0.0032 | 0.1924 | 0.0072 | 0.0055 | 11 | 0.40 | 1% | 0 |
| 027.43 | Magnesium, ICP, Microwave | 27 | 0.1965 | 0.0010 | 0.1924 | 0.0072 | 0.0055 | 11 | 0.56 | 1% | 0 |
| 027.43 | Magnesium, ICP, Microwave | 297 | 0.2000 | 0.0200 | 0.1924 | 0.0072 | 0.0055 | 11 | 1.05 | 2% | 0 |
| 027.43 | Magnesium, ICP, Microwave | 345 | 0.2045 | 0.0110 | 0.1924 | 0.0072 | 0.0055 | 11 | 1.67 | 3% | 0 |
| 027.52 | Magnesium, ICP-MS, Open vessel | 154 | 0.1930 | 0.0013 | | | 0.0013 | 1 | | | |
| 027.53 | Magnesium, ICP-MS, Microwave | 572 | 0.1915 | 0.0070 | | | 0.0070 | 1 | | | |
| 028.31 | Manganese, AAS, Dry ash | 675 | 67.4200 | 1.7400 | 75.4066 | 4.9565 | 4.1100 | 16 | -1.61 | 5% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|-----------------------------|----------|----------|--------|---------------|---------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 028.31 | Manganese, AAS, Dry ash | 590 | 70.0500 | 3.7000 | 75.4066 | 4.9565 | 4.1100 | 16 | -1.08 | 4% | 0 |
| 028.31 | Manganese, AAS, Dry ash | 596 | 71.0000 | 8.0000 | 75.4066 | 4.9565 | 4.1100 | 16 | -0.89 | 3% | 0 |
| 028.31 | Manganese, AAS, Dry ash | 505 | 72.0000 | 4.0000 | 75.4066 | 4.9565 | 4.1100 | 16 | -0.69 | 2% | 0 |
| 028.31 | Manganese, AAS, Dry ash | 629 | 72.1000 | 0.2000 | 75.4066 | 4.9565 | 4.1100 | 16 | -0.67 | 2% | 0 |
| 028.31 | Manganese, AAS, Dry ash | 354 | 73.8500 | 4.9400 | 75.4066 | 4.9565 | 4.1100 | 16 | -0.31 | 1% | 0 |
| 028.31 | Manganese, AAS, Dry ash | 178 | 74.0000 | 4.0000 | 75.4066 | 4.9565 | 4.1100 | 16 | -0.28 | 1% | 0 |
| 028.31 | Manganese, AAS, Dry ash | 669 | 75.1800 | 3.0800 | 75.4066 | 4.9565 | 4.1100 | 16 | -0.05 | 0% | 0 |
| 028.31 | Manganese, AAS, Dry ash | 619 | 75.3000 | 8.6000 | 75.4066 | 4.9565 | 4.1100 | 16 | -0.02 | 0% | 0 |
| 028.31 | Manganese, AAS, Dry ash | 350 | 75.5000 | 3.0000 | 75.4066 | 4.9565 | 4.1100 | 16 | 0.02 | 0% | 0 |
| 028.31 | Manganese, AAS, Dry ash | 731 | 76.0000 | 3.8000 | 75.4066 | 4.9565 | 4.1100 | 16 | 0.12 | 0% | 0 |
| 028.31 | Manganese, AAS, Dry ash | 689 | 76.9500 | 6.1000 | 75.4066 | 4.9565 | 4.1100 | 16 | 0.31 | 1% | 0 |
| 028.31 | Manganese, AAS, Dry ash | 720 | 80.8600 | 3.7000 | 75.4066 | 4.9565 | 4.1100 | 16 | 1.10 | 4% | 0 |
| 028.31 | Manganese, AAS, Dry ash | 868 | 80.9000 | 2.2000 | 75.4066 | 4.9565 | 4.1100 | 16 | 1.11 | 4% | 0 |
| 028.31 | Manganese, AAS, Dry ash | 208 | 82.4500 | 2.7000 | 75.4066 | 4.9565 | 4.1100 | 16 | 1.42 | 5% | 0 |
| 028.31 | Manganese, AAS, Dry ash | 175 | 89.0000 | 6.0000 | 75.4066 | 4.9565 | 4.1100 | 16 | 2.74 | 9% | 0 |
| 028.32 | Manganese, AAS, Open vessel | 656 | 73.9350 | 3.0500 | 81.8359 | 10.2045 | 4.6799 | 4 | -0.77 | 5% | 0 |
| 028.32 | Manganese, AAS, Open vessel | 722 | 74.8485 | 0.2495 | 81.8359 | 10.2045 | 4.6799 | 4 | -0.68 | 4% | 0 |
| 028.32 | Manganese, AAS, Open vessel | 504 | 82.5600 | 7.4200 | 81.8359 | 10.2045 | 4.6799 | 4 | 0.07 | 0% | 0 |
| 028.32 | Manganese, AAS, Open vessel | 38 | 96.0000 | 8.0000 | 81.8359 | 10.2045 | 4.6799 | 4 | 1.39 | 9% | 0 |
| 028.41 | Manganese, ICP, Dry ash | 695 | 54.0450 | 4.9700 | 74.7212 | 7.8784 | 2.4644 | 30 | -2.62 | 14% | 0 |
| 028.41 | Manganese, ICP, Dry ash | 598 | 65.0000 | 2.0000 | 74.7212 | 7.8784 | 2.4644 | 30 | -1.23 | 7% | 0 |
| 028.41 | Manganese, ICP, Dry ash | 26 | 65.6000 | 2.2000 | 74.7212 | 7.8784 | 2.4644 | 30 | -1.16 | 6% | 0 |
| 028.41 | Manganese, ICP, Dry ash | 229 | 66.0000 | 2.0000 | 74.7212 | 7.8784 | 2.4644 | 30 | -1.11 | 6% | 0 |
| 028.41 | Manganese, ICP, Dry ash | 300 | 67.3100 | 1.2800 | 74.7212 | 7.8784 | 2.4644 | 30 | -0.94 | 5% | 0 |
| 028.41 | Manganese, ICP, Dry ash | 83 | 68.0000 | 2.0000 | 74.7212 | 7.8784 | 2.4644 | 30 | -0.85 | 4% | 0 |
| 028.41 | Manganese, ICP, Dry ash | 511 | 68.0000 | 0.0000 | 74.7212 | 7.8784 | 2.4644 | 30 | -0.85 | 4% | 0 |
| 028.41 | Manganese, ICP, Dry ash | 358 | 68.4900 | 5.6200 | 74.7212 | 7.8784 | 2.4644 | 30 | -0.79 | 4% | 0 |
| 028.41 | Manganese, ICP, Dry ash | 164 | 70.5000 | 3.0000 | 74.7212 | 7.8784 | 2.4644 | 30 | -0.54 | 3% | 0 |
| 028.41 | Manganese, ICP, Dry ash | 553 | 70.5500 | 0.9000 | 74.7212 | 7.8784 | 2.4644 | 30 | -0.53 | 3% | 0 |
| 028.41 | Manganese, ICP, Dry ash | 171 | 71.5000 | 1.0000 | 74.7212 | 7.8784 | 2.4644 | 30 | -0.41 | 2% | 0 |
| 028.41 | Manganese, ICP, Dry ash | 242 | 72.5000 | 1.0000 | 74.7212 | 7.8784 | 2.4644 | 30 | -0.28 | 1% | 0 |
| 028.41 | Manganese, ICP, Dry ash | 425 | 72.9500 | 0.1000 | 74.7212 | 7.8784 | 2.4644 | 30 | -0.22 | 1% | 0 |
| 028.41 | Manganese, ICP, Dry ash | 29 | 73.2000 | 6.6000 | 74.7212 | 7.8784 | 2.4644 | 30 | -0.19 | 1% | 0 |
| 028.41 | Manganese, ICP, Dry ash | 74 | 74.5000 | 5.0000 | 74.7212 | 7.8784 | 2.4644 | 30 | -0.03 | 0% | 0 |
| 028.41 | Manganese, ICP, Dry ash | 100 | 74.5000 | 9.0000 | 74.7212 | 7.8784 | 2.4644 | 30 | -0.03 | 0% | 0 |
| 028.41 | Manganese, ICP, Dry ash | 148 | 74.6500 | 0.1000 | 74.7212 | 7.8784 | 2.4644 | 30 | -0.01 | 0% | 0 |
| 028.41 | Manganese, ICP, Dry ash | 4 | 75.0000 | 0.0000 | 74.7212 | 7.8784 | 2.4644 | 30 | 0.04 | 0% | 0 |
| 028.41 | Manganese, ICP, Dry ash | 407 | 75.4750 | 0.5100 | 74.7212 | 7.8784 | 2.4644 | 30 | 0.10 | 1% | 0 |
| 028.41 | Manganese, ICP, Dry ash | 3 | 76.5000 | 3.0000 | 74.7212 | 7.8784 | 2.4644 | 30 | 0.23 | 1% | 0 |
| 028.41 | Manganese, ICP, Dry ash | 11 | 77.0550 | 0.2100 | 74.7212 | 7.8784 | 2.4644 | 30 | 0.30 | 2% | 0 |
| 028.41 | Manganese, ICP, Dry ash | 8 | 79.1799 | 0.0000 | 74.7212 | 7.8784 | 2.4644 | 30 | 0.57 | 3% | 0 |
| 028.41 | Manganese, ICP, Dry ash | 98 | 79.2500 | 4.5000 | 74.7212 | 7.8784 | 2.4644 | 30 | 0.57 | 3% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|--------------------------------|----------|----------|---------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 028.41 | Manganese, ICP, Dry ash | 208 | 82.2500 | 1.9000 | 74.7212 | 7.8784 | 2.4644 | 30 | 0.96 | 5% | 0 |
| 028.41 | Manganese, ICP, Dry ash | 265 | 83.0000 | 2.0000 | 74.7212 | 7.8784 | 2.4644 | 30 | 1.05 | 6% | 0 |
| 028.41 | Manganese, ICP, Dry ash | 520 | 84.0000 | 6.0000 | 74.7212 | 7.8784 | 2.4644 | 30 | 1.18 | 6% | 0 |
| 028.41 | Manganese, ICP, Dry ash | 226 | 85.0000 | 0.0000 | 74.7212 | 7.8784 | 2.4644 | 30 | 1.30 | 7% | 0 |
| 028.41 | Manganese, ICP, Dry ash | 550 | 85.8375 | 5.3510 | 74.7212 | 7.8784 | 2.4644 | 30 | 1.41 | 7% | 0 |
| 028.41 | Manganese, ICP, Dry ash | 883 | 94.3750 | 0.6900 | 74.7212 | 7.8784 | 2.4644 | 30 | 2.49 | 13% | 0 |
| 028.41 | Manganese, ICP, Dry ash | 405 | 96.5000 | 3.0000 | 74.7212 | 7.8784 | 2.4644 | 30 | 2.76 | 15% | 0 |
| 028.41 | Manganese, ICP, Dry ash | 682 | 77.8500 | 11.7200 | 74.7212 | 7.8784 | 2.4644 | 30 | 0.40 | 2% | 1 |
| 028.42 | Manganese, ICP, Open vessel | 616 | 71.4500 | 3.1000 | 85.7511 | 5.8056 | 2.6253 | 19 | -2.46 | 8% | 0 |
| 028.42 | Manganese, ICP, Open vessel | 613 | 72.0000 | 2.0000 | 85.7511 | 5.8056 | 2.6253 | 19 | -2.37 | 8% | 0 |
| 028.42 | Manganese, ICP, Open vessel | 160 | 79.8000 | 7.2000 | 85.7511 | 5.8056 | 2.6253 | 19 | -1.03 | 3% | 0 |
| 028.42 | Manganese, ICP, Open vessel | 98 | 81.5500 | 2.5000 | 85.7511 | 5.8056 | 2.6253 | 19 | -0.72 | 2% | 0 |
| 028.42 | Manganese, ICP, Open vessel | 45 | 82.6500 | 0.9000 | 85.7511 | 5.8056 | 2.6253 | 19 | -0.53 | 2% | 0 |
| 028.42 | Manganese, ICP, Open vessel | 21 | 83.3450 | 1.1900 | 85.7511 | 5.8056 | 2.6253 | 19 | -0.41 | 1% | 0 |
| 028.42 | Manganese, ICP, Open vessel | 187 | 83.8450 | 1.5100 | 85.7511 | 5.8056 | 2.6253 | 19 | -0.33 | 1% | 0 |
| 028.42 | Manganese, ICP, Open vessel | 560 | 84.5500 | 0.7000 | 85.7511 | 5.8056 | 2.6253 | 19 | -0.21 | 1% | 0 |
| 028.42 | Manganese, ICP, Open vessel | 190 | 84.6900 | 0.3800 | 85.7511 | 5.8056 | 2.6253 | 19 | -0.18 | 1% | 0 |
| 028.42 | Manganese, ICP, Open vessel | 413 | 84.8000 | 1.0000 | 85.7511 | 5.8056 | 2.6253 | 19 | -0.16 | 1% | 0 |
| 028.42 | Manganese, ICP, Open vessel | 309 | 85.0850 | 8.4700 | 85.7511 | 5.8056 | 2.6253 | 19 | -0.11 | 0% | 0 |
| 028.42 | Manganese, ICP, Open vessel | 106 | 86.0000 | 1.6000 | 85.7511 | 5.8056 | 2.6253 | 19 | 0.04 | 0% | 0 |
| 028.42 | Manganese, ICP, Open vessel | 726 | 88.5250 | 0.4300 | 85.7511 | 5.8056 | 2.6253 | 19 | 0.48 | 2% | 0 |
| 028.42 | Manganese, ICP, Open vessel | 186 | 89.0000 | 2.0000 | 85.7511 | 5.8056 | 2.6253 | 19 | 0.56 | 2% | 0 |
| 028.42 | Manganese, ICP, Open vessel | 357 | 89.0000 | 0.0000 | 85.7511 | 5.8056 | 2.6253 | 19 | 0.56 | 2% | 0 |
| 028.42 | Manganese, ICP, Open vessel | 202 | 95.8500 | 4.1000 | 85.7511 | 5.8056 | 2.6253 | 19 | 1.74 | 6% | 0 |
| 028.42 | Manganese, ICP, Open vessel | 692 | 98.3000 | 4.8000 | 85.7511 | 5.8056 | 2.6253 | 19 | 2.16 | 7% | 0 |
| 028.42 | Manganese, ICP, Open vessel | 366 | 100.0000 | 6.0000 | 85.7511 | 5.8056 | 2.6253 | 19 | 2.45 | 8% | 0 |
| 028.42 | Manganese, ICP, Open vessel | 37 | 103.0000 | 2.0000 | 85.7511 | 5.8056 | 2.6253 | 19 | 2.97 | 10% | 0 |
| 028.43 | Manganese, ICP, Microwave | 870 | 68.4800 | 0.2600 | 83.5734 | 5.7032 | 3.0333 | 12 | -2.65 | 9% | 0 |
| 028.43 | Manganese, ICP, Microwave | 846 | 73.8650 | 1.5300 | 83.5734 | 5.7032 | 3.0333 | 12 | -1.70 | 6% | 0 |
| 028.43 | Manganese, ICP, Microwave | 294 | 78.0250 | 0.5700 | 83.5734 | 5.7032 | 3.0333 | 12 | -0.97 | 3% | 0 |
| 028.43 | Manganese, ICP, Microwave | 588 | 81.6500 | 0.3800 | 83.5734 | 5.7032 | 3.0333 | 12 | -0.34 | 1% | 0 |
| 028.43 | Manganese, ICP, Microwave | 297 | 82.0000 | 10.0000 | 83.5734 | 5.7032 | 3.0333 | 12 | -0.28 | 1% | 0 |
| 028.43 | Manganese, ICP, Microwave | 353 | 82.1050 | 4.1900 | 83.5734 | 5.7032 | 3.0333 | 12 | -0.26 | 1% | 0 |
| 028.43 | Manganese, ICP, Microwave | 508 | 85.8185 | 5.2690 | 83.5734 | 5.7032 | 3.0333 | 12 | 0.39 | 1% | 0 |
| 028.43 | Manganese, ICP, Microwave | 510 | 86.0000 | 2.0000 | 83.5734 | 5.7032 | 3.0333 | 12 | 0.43 | 1% | 0 |
| 028.43 | Manganese, ICP, Microwave | 169 | 87.0000 | 1.8000 | 83.5734 | 5.7032 | 3.0333 | 12 | 0.60 | 2% | 0 |
| 028.43 | Manganese, ICP, Microwave | 38 | 88.0000 | 2.0000 | 83.5734 | 5.7032 | 3.0333 | 12 | 0.78 | 3% | 0 |
| 028.43 | Manganese, ICP, Microwave | 345 | 89.3500 | 1.7000 | 83.5734 | 5.7032 | 3.0333 | 12 | 1.01 | 3% | 0 |
| 028.43 | Manganese, ICP, Microwave | 42 | 90.7500 | 6.7000 | 83.5734 | 5.7032 | 3.0333 | 12 | 1.26 | 4% | 0 |
| 028.52 | Manganese, ICP-MS, Open vessel | 154 | 86.0000 | 0.0000 | | | 0.0000 | 1 | | | |
| 028.53 | Manganese, ICP-MS, Microwave | 572 | 85.6000 | 6.6000 | | | 6.6000 | 1 | | | |
| 029.99 | Mercury, Miscellaneous | 154 | 0.0310 | 0.0020 | | | 0.0020 | 1 | | | |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|-------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 031.00 | Phosphorus, Vol | 208 | 0.3640 | 0.0020 | 0.3724 | 0.0119 | 0.0183 | 2 | -0.71 | 1% | 0 |
| 031.00 | Phosphorus, Vol | 623 | 0.3808 | 0.0346 | 0.3724 | 0.0119 | 0.0183 | 2 | 0.71 | 1% | 0 |
| 031.01 | Phosphorus, Photometric | 194 | 0.3350 | 0.0100 | 0.3698 | 0.0224 | 0.0114 | 47 | -1.55 | 5% | 0 |
| 031.01 | Phosphorus, Photometric | 689 | 0.3350 | 0.0100 | 0.3698 | 0.0224 | 0.0114 | 47 | -1.55 | 5% | 0 |
| 031.01 | Phosphorus, Photometric | 874 | 0.3435 | 0.0010 | 0.3698 | 0.0224 | 0.0114 | 47 | -1.17 | 4% | 0 |
| 031.01 | Phosphorus, Photometric | 622 | 0.3443 | 0.0044 | 0.3698 | 0.0224 | 0.0114 | 47 | -1.14 | 3% | 0 |
| 031.01 | Phosphorus, Photometric | 26 | 0.3450 | 0.0100 | 0.3698 | 0.0224 | 0.0114 | 47 | -1.11 | 3% | 0 |
| 031.01 | Phosphorus, Photometric | 670 | 0.3450 | 0.0100 | 0.3698 | 0.0224 | 0.0114 | 47 | -1.11 | 3% | 0 |
| 031.01 | Phosphorus, Photometric | 723 | 0.3450 | 0.0100 | 0.3698 | 0.0224 | 0.0114 | 47 | -1.11 | 3% | 0 |
| 031.01 | Phosphorus, Photometric | 849 | 0.3450 | 0.0100 | 0.3698 | 0.0224 | 0.0114 | 47 | -1.11 | 3% | 0 |
| 031.01 | Phosphorus, Photometric | 1 | 0.3483 | 0.0236 | 0.3698 | 0.0224 | 0.0114 | 47 | -0.96 | 3% | 0 |
| 031.01 | Phosphorus, Photometric | 626 | 0.3490 | 0.0100 | 0.3698 | 0.0224 | 0.0114 | 47 | -0.93 | 3% | 0 |
| 031.01 | Phosphorus, Photometric | 39 | 0.3495 | 0.0015 | 0.3698 | 0.0224 | 0.0114 | 47 | -0.91 | 3% | 0 |
| 031.01 | Phosphorus, Photometric | 233 | 0.3500 | 0.0000 | 0.3698 | 0.0224 | 0.0114 | 47 | -0.88 | 3% | 0 |
| 031.01 | Phosphorus, Photometric | 647 | 0.3550 | 0.0500 | 0.3698 | 0.0224 | 0.0114 | 47 | -0.66 | 2% | 0 |
| 031.01 | Phosphorus, Photometric | 877 | 0.3550 | 0.0500 | 0.3698 | 0.0224 | 0.0114 | 47 | -0.66 | 2% | 0 |
| 031.01 | Phosphorus, Photometric | 651 | 0.3555 | 0.0110 | 0.3698 | 0.0224 | 0.0114 | 47 | -0.64 | 2% | 0 |
| 031.01 | Phosphorus, Photometric | 722 | 0.3592 | 0.0006 | 0.3698 | 0.0224 | 0.0114 | 47 | -0.47 | 1% | 0 |
| 031.01 | Phosphorus, Photometric | 205 | 0.3595 | 0.0010 | 0.3698 | 0.0224 | 0.0114 | 47 | -0.46 | 1% | 0 |
| 031.01 | Phosphorus, Photometric | 629 | 0.3600 | 0.0000 | 0.3698 | 0.0224 | 0.0114 | 47 | -0.44 | 1% | 0 |
| 031.01 | Phosphorus, Photometric | 354 | 0.3650 | 0.0100 | 0.3698 | 0.0224 | 0.0114 | 47 | -0.21 | 1% | 0 |
| 031.01 | Phosphorus, Photometric | 656 | 0.3650 | 0.0100 | 0.3698 | 0.0224 | 0.0114 | 47 | -0.21 | 1% | 0 |
| 031.01 | Phosphorus, Photometric | 669 | 0.3650 | 0.0100 | 0.3698 | 0.0224 | 0.0114 | 47 | -0.21 | 1% | 0 |
| 031.01 | Phosphorus, Photometric | 674 | 0.3650 | 0.0100 | 0.3698 | 0.0224 | 0.0114 | 47 | -0.21 | 1% | 0 |
| 031.01 | Phosphorus, Photometric | 675 | 0.3650 | 0.0100 | 0.3698 | 0.0224 | 0.0114 | 47 | -0.21 | 1% | 0 |
| 031.01 | Phosphorus, Photometric | 848 | 0.3650 | 0.0300 | 0.3698 | 0.0224 | 0.0114 | 47 | -0.21 | 1% | 0 |
| 031.01 | Phosphorus, Photometric | 350 | 0.3695 | 0.0030 | 0.3698 | 0.0224 | 0.0114 | 47 | -0.01 | 0% | 0 |
| 031.01 | Phosphorus, Photometric | 38 | 0.3750 | 0.0140 | 0.3698 | 0.0224 | 0.0114 | 47 | 0.23 | 1% | 0 |
| 031.01 | Phosphorus, Photometric | 596 | 0.3750 | 0.0100 | 0.3698 | 0.0224 | 0.0114 | 47 | 0.23 | 1% | 0 |
| 031.01 | Phosphorus, Photometric | 152 | 0.3800 | 0.0000 | 0.3698 | 0.0224 | 0.0114 | 47 | 0.45 | 1% | 0 |
| 031.01 | Phosphorus, Photometric | 178 | 0.3800 | 0.0000 | 0.3698 | 0.0224 | 0.0114 | 47 | 0.45 | 1% | 0 |
| 031.01 | Phosphorus, Photometric | 305 | 0.3800 | 0.0000 | 0.3698 | 0.0224 | 0.0114 | 47 | 0.45 | 1% | 0 |
| 031.01 | Phosphorus, Photometric | 728 | 0.3800 | 0.0200 | 0.3698 | 0.0224 | 0.0114 | 47 | 0.45 | 1% | 0 |
| 031.01 | Phosphorus, Photometric | 36 | 0.3803 | 0.0140 | 0.3698 | 0.0224 | 0.0114 | 47 | 0.47 | 1% | 0 |
| 031.01 | Phosphorus, Photometric | 620 | 0.3825 | 0.0150 | 0.3698 | 0.0224 | 0.0114 | 47 | 0.57 | 2% | 0 |
| 031.01 | Phosphorus, Photometric | 650 | 0.3850 | 0.0100 | 0.3698 | 0.0224 | 0.0114 | 47 | 0.68 | 2% | 0 |
| 031.01 | Phosphorus, Photometric | 665 | 0.3850 | 0.0100 | 0.3698 | 0.0224 | 0.0114 | 47 | 0.68 | 2% | 0 |
| 031.01 | Phosphorus, Photometric | 871 | 0.3850 | 0.0100 | 0.3698 | 0.0224 | 0.0114 | 47 | 0.68 | 2% | 0 |
| 031.01 | Phosphorus, Photometric | 878 | 0.3865 | 0.0030 | 0.3698 | 0.0224 | 0.0114 | 47 | 0.74 | 2% | 0 |
| 031.01 | Phosphorus, Photometric | 108 | 0.3900 | 0.0400 | 0.3698 | 0.0224 | 0.0114 | 47 | 0.90 | 3% | 0 |
| 031.01 | Phosphorus, Photometric | 175 | 0.3900 | 0.0200 | 0.3698 | 0.0224 | 0.0114 | 47 | 0.90 | 3% | 0 |
| 031.01 | Phosphorus, Photometric | 263 | 0.3912 | 0.0024 | 0.3698 | 0.0224 | 0.0114 | 47 | 0.95 | 3% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|---------------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 031.01 | Phosphorus, Photometric | 619 | 0.3940 | 0.0220 | 0.3698 | 0.0224 | 0.0114 | 47 | 1.08 | 3% | 0 |
| 031.01 | Phosphorus, Photometric | 868 | 0.3970 | 0.0180 | 0.3698 | 0.0224 | 0.0114 | 47 | 1.21 | 4% | 0 |
| 031.01 | Phosphorus, Photometric | 65 | 0.3996 | 0.0132 | 0.3698 | 0.0224 | 0.0114 | 47 | 1.33 | 4% | 0 |
| 031.01 | Phosphorus, Photometric | 35 | 0.4000 | 0.0000 | 0.3698 | 0.0224 | 0.0114 | 47 | 1.35 | 4% | 0 |
| 031.01 | Phosphorus, Photometric | 142 | 0.4000 | 0.0000 | 0.3698 | 0.0224 | 0.0114 | 47 | 1.35 | 4% | 0 |
| 031.01 | Phosphorus, Photometric | 609 | 0.4050 | 0.0100 | 0.3698 | 0.0224 | 0.0114 | 47 | 1.57 | 5% | 0 |
| 031.01 | Phosphorus, Photometric | 731 | 0.4050 | 0.0100 | 0.3698 | 0.0224 | 0.0114 | 47 | 1.57 | 5% | 0 |
| 031.01 | Phosphorus, Photometric | 511 | 0.3200 | 0.0600 | 0.3698 | 0.0224 | 0.0114 | 47 | -2.22 | 7% | 1 |
| 031.02 | Phosphorus, GQMP (AOAC 935.13-E | 11 | 0.3498 | 0.0102 | 0.3683 | 0.0162 | 0.0201 | 3 | -1.14 | 3% | 0 |
| 031.02 | Phosphorus, GQMP (AOAC 935.13-E | 505 | 0.3750 | 0.0300 | 0.3683 | 0.0162 | 0.0201 | 3 | 0.42 | 1% | 0 |
| 031.02 | Phosphorus, GQMP (AOAC 935.13-E | 43 | 0.3800 | 0.0200 | 0.3683 | 0.0162 | 0.0201 | 3 | 0.72 | 2% | 0 |
| 031.03 | Phosphorus, Autoanalyzer | 26 | 0.3450 | 0.0100 | 0.3795 | 0.0318 | 0.0151 | 7 | -1.08 | 5% | 0 |
| 031.03 | Phosphorus, Autoanalyzer | 36 | 0.3571 | 0.0001 | 0.3795 | 0.0318 | 0.0151 | 7 | -0.70 | 3% | 0 |
| 031.03 | Phosphorus, Autoanalyzer | 43 | 0.3650 | 0.0100 | 0.3795 | 0.0318 | 0.0151 | 7 | -0.45 | 2% | 0 |
| 031.03 | Phosphorus, Autoanalyzer | 169 | 0.3700 | 0.0200 | 0.3795 | 0.0318 | 0.0151 | 7 | -0.30 | 1% | 0 |
| 031.03 | Phosphorus, Autoanalyzer | 33 | 0.3950 | 0.0300 | 0.3795 | 0.0318 | 0.0151 | 7 | 0.49 | 2% | 0 |
| 031.03 | Phosphorus, Autoanalyzer | 504 | 0.3988 | 0.0153 | 0.3795 | 0.0318 | 0.0151 | 7 | 0.60 | 3% | 0 |
| 031.03 | Phosphorus, Autoanalyzer | 720 | 0.4400 | 0.0200 | 0.3795 | 0.0318 | 0.0151 | 7 | 1.90 | 8% | 0 |
| 031.04 | Phosphorus, Em Spect | 631 | 0.3650 | 0.0300 | | | 0.0300 | 1 | | | |
| 031.05 | #N/A | 864 | 0.3300 | 0.0000 | | | 0.0000 | 1 | | | |
| 031.06 | Phosphorus, Hach Method | 138 | 0.3450 | 0.0100 | | | 0.0100 | 1 | | | |
| 031.41 | Phosphorus, ICP, Dry ash | 682 | 0.3200 | 0.0000 | 0.3724 | 0.0268 | 0.0155 | 34 | -1.96 | 7% | 0 |
| 031.41 | Phosphorus, ICP, Dry ash | 550 | 0.3280 | 0.0340 | 0.3724 | 0.0268 | 0.0155 | 34 | -1.66 | 6% | 0 |
| 031.41 | Phosphorus, ICP, Dry ash | 553 | 0.3435 | 0.0010 | 0.3724 | 0.0268 | 0.0155 | 34 | -1.08 | 4% | 0 |
| 031.41 | Phosphorus, ICP, Dry ash | 83 | 0.3450 | 0.0100 | 0.3724 | 0.0268 | 0.0155 | 34 | -1.02 | 4% | 0 |
| 031.41 | Phosphorus, ICP, Dry ash | 144 | 0.3450 | 0.0100 | 0.3724 | 0.0268 | 0.0155 | 34 | -1.02 | 4% | 0 |
| 031.41 | Phosphorus, ICP, Dry ash | 19 | 0.3500 | 0.0400 | 0.3724 | 0.0268 | 0.0155 | 34 | -0.84 | 3% | 0 |
| 031.41 | Phosphorus, ICP, Dry ash | 100 | 0.3500 | 0.0400 | 0.3724 | 0.0268 | 0.0155 | 34 | -0.84 | 3% | 0 |
| 031.41 | Phosphorus, ICP, Dry ash | 229 | 0.3500 | 0.0000 | 0.3724 | 0.0268 | 0.0155 | 34 | -0.84 | 3% | 0 |
| 031.41 | Phosphorus, ICP, Dry ash | 265 | 0.3550 | 0.0500 | 0.3724 | 0.0268 | 0.0155 | 34 | -0.65 | 2% | 0 |
| 031.41 | Phosphorus, ICP, Dry ash | 695 | 0.3550 | 0.0100 | 0.3724 | 0.0268 | 0.0155 | 34 | -0.65 | 2% | 0 |
| 031.41 | Phosphorus, ICP, Dry ash | 300 | 0.3565 | 0.0410 | 0.3724 | 0.0268 | 0.0155 | 34 | -0.60 | 2% | 0 |
| 031.41 | Phosphorus, ICP, Dry ash | 148 | 0.3575 | 0.0010 | 0.3724 | 0.0268 | 0.0155 | 34 | -0.56 | 2% | 0 |
| 031.41 | Phosphorus, ICP, Dry ash | 164 | 0.3600 | 0.0200 | 0.3724 | 0.0268 | 0.0155 | 34 | -0.46 | 2% | 0 |
| 031.41 | Phosphorus, ICP, Dry ash | 242 | 0.3600 | 0.0000 | 0.3724 | 0.0268 | 0.0155 | 34 | -0.46 | 2% | 0 |
| 031.41 | Phosphorus, ICP, Dry ash | 298 | 0.3600 | 0.0200 | 0.3724 | 0.0268 | 0.0155 | 34 | -0.46 | 2% | 0 |
| 031.41 | Phosphorus, ICP, Dry ash | 8 | 0.3699 | 0.0000 | 0.3724 | 0.0268 | 0.0155 | 34 | -0.09 | 0% | 0 |
| 031.41 | Phosphorus, ICP, Dry ash | 413 | 0.3700 | 0.0200 | 0.3724 | 0.0268 | 0.0155 | 34 | -0.09 | 0% | 0 |
| 031.41 | Phosphorus, ICP, Dry ash | 358 | 0.3750 | 0.0100 | 0.3724 | 0.0268 | 0.0155 | 34 | 0.10 | 0% | 0 |
| 031.41 | Phosphorus, ICP, Dry ash | 520 | 0.3750 | 0.0100 | 0.3724 | 0.0268 | 0.0155 | 34 | 0.10 | 0% | 0 |
| 031.41 | Phosphorus, ICP, Dry ash | 848 | 0.3750 | 0.0100 | 0.3724 | 0.0268 | 0.0155 | 34 | 0.10 | 0% | 0 |
| 031.41 | Phosphorus, ICP, Dry ash | 4 | 0.3765 | 0.0010 | 0.3724 | 0.0268 | 0.0155 | 34 | 0.15 | 1% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|------------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 031.41 | Phosphorus, ICP, Dry ash | 29 | 0.3840 | 0.0615 | 0.3724 | 0.0268 | 0.0155 | 34 | 0.43 | 2% | 0 |
| 031.41 | Phosphorus, ICP, Dry ash | 407 | 0.3840 | 0.0060 | 0.3724 | 0.0268 | 0.0155 | 34 | 0.43 | 2% | 0 |
| 031.41 | Phosphorus, ICP, Dry ash | 74 | 0.3850 | 0.0100 | 0.3724 | 0.0268 | 0.0155 | 34 | 0.47 | 2% | 0 |
| 031.41 | Phosphorus, ICP, Dry ash | 98 | 0.3850 | 0.0300 | 0.3724 | 0.0268 | 0.0155 | 34 | 0.47 | 2% | 0 |
| 031.41 | Phosphorus, ICP, Dry ash | 171 | 0.3950 | 0.0100 | 0.3724 | 0.0268 | 0.0155 | 34 | 0.84 | 3% | 0 |
| 031.41 | Phosphorus, ICP, Dry ash | 226 | 0.3950 | 0.0100 | 0.3724 | 0.0268 | 0.0155 | 34 | 0.84 | 3% | 0 |
| 031.41 | Phosphorus, ICP, Dry ash | 598 | 0.3952 | 0.0145 | 0.3724 | 0.0268 | 0.0155 | 34 | 0.85 | 3% | 0 |
| 031.41 | Phosphorus, ICP, Dry ash | 425 | 0.4000 | 0.0000 | 0.3724 | 0.0268 | 0.0155 | 34 | 1.03 | 4% | 0 |
| 031.41 | Phosphorus, ICP, Dry ash | 860 | 0.4050 | 0.0100 | 0.3724 | 0.0268 | 0.0155 | 34 | 1.22 | 4% | 0 |
| 031.41 | Phosphorus, ICP, Dry ash | 208 | 0.4060 | 0.0060 | 0.3724 | 0.0268 | 0.0155 | 34 | 1.25 | 5% | 0 |
| 031.41 | Phosphorus, ICP, Dry ash | 3 | 0.4100 | 0.0200 | 0.3724 | 0.0268 | 0.0155 | 34 | 1.40 | 5% | 0 |
| 031.41 | Phosphorus, ICP, Dry ash | 89 | 0.4150 | 0.0100 | 0.3724 | 0.0268 | 0.0155 | 34 | 1.59 | 6% | 0 |
| 031.41 | Phosphorus, ICP, Dry ash | 405 | 0.4350 | 0.0100 | 0.3724 | 0.0268 | 0.0155 | 34 | 2.34 | 8% | 0 |
| 031.41 | Phosphorus, ICP, Dry ash | 883 | 0.6650 | 0.0100 | 0.3724 | 0.0268 | 0.0155 | 34 | 10.93 | 39% | 2 |
| 031.42 | Phosphorus, ICP, Open vessel | 37 | 0.3085 | 0.0010 | 0.3658 | 0.0213 | 0.0142 | 20 | -2.69 | 8% | 0 |
| 031.42 | Phosphorus, ICP, Open vessel | 98 | 0.3250 | 0.0500 | 0.3658 | 0.0213 | 0.0142 | 20 | -1.91 | 6% | 0 |
| 031.42 | Phosphorus, ICP, Open vessel | 187 | 0.3432 | 0.0004 | 0.3658 | 0.0213 | 0.0142 | 20 | -1.06 | 3% | 0 |
| 031.42 | Phosphorus, ICP, Open vessel | 45 | 0.3500 | 0.0100 | 0.3658 | 0.0213 | 0.0142 | 20 | -0.74 | 2% | 0 |
| 031.42 | Phosphorus, ICP, Open vessel | 613 | 0.3500 | 0.0200 | 0.3658 | 0.0213 | 0.0142 | 20 | -0.74 | 2% | 0 |
| 031.42 | Phosphorus, ICP, Open vessel | 190 | 0.3550 | 0.0100 | 0.3658 | 0.0213 | 0.0142 | 20 | -0.51 | 1% | 0 |
| 031.42 | Phosphorus, ICP, Open vessel | 357 | 0.3550 | 0.0100 | 0.3658 | 0.0213 | 0.0142 | 20 | -0.51 | 1% | 0 |
| 031.42 | Phosphorus, ICP, Open vessel | 309 | 0.3566 | 0.0183 | 0.3658 | 0.0213 | 0.0142 | 20 | -0.43 | 1% | 0 |
| 031.42 | Phosphorus, ICP, Open vessel | 560 | 0.3575 | 0.0230 | 0.3658 | 0.0213 | 0.0142 | 20 | -0.39 | 1% | 0 |
| 031.42 | Phosphorus, ICP, Open vessel | 199 | 0.3650 | 0.0300 | 0.3658 | 0.0213 | 0.0142 | 20 | -0.04 | 0% | 0 |
| 031.42 | Phosphorus, ICP, Open vessel | 160 | 0.3685 | 0.0031 | 0.3658 | 0.0213 | 0.0142 | 20 | 0.13 | 0% | 0 |
| 031.42 | Phosphorus, ICP, Open vessel | 35 | 0.3700 | 0.0000 | 0.3658 | 0.0213 | 0.0142 | 20 | 0.20 | 1% | 0 |
| 031.42 | Phosphorus, ICP, Open vessel | 186 | 0.3715 | 0.0050 | 0.3658 | 0.0213 | 0.0142 | 20 | 0.27 | 1% | 0 |
| 031.42 | Phosphorus, ICP, Open vessel | 106 | 0.3800 | 0.0040 | 0.3658 | 0.0213 | 0.0142 | 20 | 0.67 | 2% | 0 |
| 031.42 | Phosphorus, ICP, Open vessel | 202 | 0.3800 | 0.0400 | 0.3658 | 0.0213 | 0.0142 | 20 | 0.67 | 2% | 0 |
| 031.42 | Phosphorus, ICP, Open vessel | 366 | 0.3850 | 0.0100 | 0.3658 | 0.0213 | 0.0142 | 20 | 0.90 | 3% | 0 |
| 031.42 | Phosphorus, ICP, Open vessel | 726 | 0.3857 | 0.0015 | 0.3658 | 0.0213 | 0.0142 | 20 | 0.93 | 3% | 0 |
| 031.42 | Phosphorus, ICP, Open vessel | 504 | 0.3885 | 0.0290 | 0.3658 | 0.0213 | 0.0142 | 20 | 1.07 | 3% | 0 |
| 031.42 | Phosphorus, ICP, Open vessel | 692 | 0.3900 | 0.0000 | 0.3658 | 0.0213 | 0.0142 | 20 | 1.14 | 3% | 0 |
| 031.42 | Phosphorus, ICP, Open vessel | 616 | 0.3965 | 0.0190 | 0.3658 | 0.0213 | 0.0142 | 20 | 1.44 | 4% | 0 |
| 031.42 | Phosphorus, ICP, Open vessel | 21 | 0.3857 | 0.0694 | 0.3658 | 0.0213 | 0.0142 | 20 | 0.93 | 3% | 1 |
| 031.43 | Phosphorus, ICP, Microwave | 294 | 0.3350 | 0.0100 | 0.3635 | 0.0191 | 0.0144 | 13 | -1.49 | 4% | 0 |
| 031.43 | Phosphorus, ICP, Microwave | 121 | 0.3440 | 0.0060 | 0.3635 | 0.0191 | 0.0144 | 13 | -1.02 | 3% | 0 |
| 031.43 | Phosphorus, ICP, Microwave | 27 | 0.3475 | 0.0030 | 0.3635 | 0.0191 | 0.0144 | 13 | -0.84 | 2% | 0 |
| 031.43 | Phosphorus, ICP, Microwave | 353 | 0.3500 | 0.0200 | 0.3635 | 0.0191 | 0.0144 | 13 | -0.71 | 2% | 0 |
| 031.43 | Phosphorus, ICP, Microwave | 870 | 0.3592 | 0.0016 | 0.3635 | 0.0191 | 0.0144 | 13 | -0.22 | 1% | 0 |
| 031.43 | Phosphorus, ICP, Microwave | 297 | 0.3600 | 0.0400 | 0.3635 | 0.0191 | 0.0144 | 13 | -0.18 | 0% | 0 |
| 031.43 | Phosphorus, ICP, Microwave | 510 | 0.3600 | 0.0200 | 0.3635 | 0.0191 | 0.0144 | 13 | -0.18 | 0% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|---------------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 031.43 | Phosphorus, ICP, Microwave | 508 | 0.3647 | 0.0088 | 0.3635 | 0.0191 | 0.0144 | 13 | 0.06 | 0% | 0 |
| 031.43 | Phosphorus, ICP, Microwave | 588 | 0.3710 | 0.0020 | 0.3635 | 0.0191 | 0.0144 | 13 | 0.39 | 1% | 0 |
| 031.43 | Phosphorus, ICP, Microwave | 42 | 0.3775 | 0.0190 | 0.3635 | 0.0191 | 0.0144 | 13 | 0.74 | 2% | 0 |
| 031.43 | Phosphorus, ICP, Microwave | 345 | 0.3805 | 0.0210 | 0.3635 | 0.0191 | 0.0144 | 13 | 0.89 | 2% | 0 |
| 031.43 | Phosphorus, ICP, Microwave | 38 | 0.3900 | 0.0260 | 0.3635 | 0.0191 | 0.0144 | 13 | 1.39 | 4% | 0 |
| 031.43 | Phosphorus, ICP, Microwave | 28 | 0.4050 | 0.0100 | 0.3635 | 0.0191 | 0.0144 | 13 | 2.18 | 6% | 0 |
| 031.52 | Phosphorus, ICP-MS, Open vessel | 154 | 0.3584 | 0.0046 | | | 0.0046 | 1 | | | |
| 031.53 | Phosphorus, ICP-MS, Microwave | 572 | 0.3530 | 0.0060 | | | 0.0060 | 1 | | | |
| 031.99 | Phosphorus, Miscellaneous | 590 | 0.3600 | 0.0000 | 0.3730 | 0.0126 | 0.0168 | 6 | -1.03 | 2% | 0 |
| 031.99 | Phosphorus, Miscellaneous | 47 | 0.3650 | 0.0500 | 0.3730 | 0.0126 | 0.0168 | 6 | -0.64 | 1% | 0 |
| 031.99 | Phosphorus, Miscellaneous | 552 | 0.3700 | 0.0400 | 0.3730 | 0.0126 | 0.0168 | 6 | -0.24 | 0% | 0 |
| 031.99 | Phosphorus, Miscellaneous | 673 | 0.3700 | 0.0000 | 0.3730 | 0.0126 | 0.0168 | 6 | -0.24 | 0% | 0 |
| 031.99 | Phosphorus, Miscellaneous | 676 | 0.3865 | 0.0010 | 0.3730 | 0.0126 | 0.0168 | 6 | 1.07 | 2% | 0 |
| 031.99 | Phosphorus, Miscellaneous | 852 | 0.4350 | 0.0100 | 0.3730 | 0.0126 | 0.0168 | 6 | 4.91 | 8% | 0 |
| 032.02 | Potassium, Flame Emission | 108 | 0.8800 | 0.2000 | 1.0119 | 0.0851 | 0.0690 | 5 | -1.55 | 7% | 0 |
| 032.02 | Potassium, Flame Emission | 669 | 1.0000 | 0.0400 | 1.0119 | 0.0851 | 0.0690 | 5 | -0.14 | 1% | 0 |
| 032.02 | Potassium, Flame Emission | 590 | 1.0100 | 0.0600 | 1.0119 | 0.0851 | 0.0690 | 5 | -0.02 | 0% | 0 |
| 032.02 | Potassium, Flame Emission | 504 | 1.0645 | 0.0350 | 1.0119 | 0.0851 | 0.0690 | 5 | 0.62 | 3% | 0 |
| 032.02 | Potassium, Flame Emission | 665 | 1.1050 | 0.0100 | 1.0119 | 0.0851 | 0.0690 | 5 | 1.09 | 5% | 0 |
| 032.05 | #N/A | 864 | 0.8700 | 0.0200 | | | 0.0200 | 1 | | | |
| 032.31 | Potassium, AAS, Dry ash | 674 | 0.3850 | 0.0100 | 0.9624 | 0.0604 | 0.0155 | 20 | -9.57 | 30% | 0 |
| 032.31 | Potassium, AAS, Dry ash | 874 | 0.6045 | 0.0190 | 0.9624 | 0.0604 | 0.0155 | 20 | -5.93 | 19% | 0 |
| 032.31 | Potassium, AAS, Dry ash | 731 | 0.8535 | 0.0030 | 0.9624 | 0.0604 | 0.0155 | 20 | -1.80 | 6% | 0 |
| 032.31 | Potassium, AAS, Dry ash | 650 | 0.8700 | 0.0200 | 0.9624 | 0.0604 | 0.0155 | 20 | -1.53 | 5% | 0 |
| 032.31 | Potassium, AAS, Dry ash | 670 | 0.8795 | 0.0030 | 0.9624 | 0.0604 | 0.0155 | 20 | -1.37 | 4% | 0 |
| 032.31 | Potassium, AAS, Dry ash | 720 | 0.9050 | 0.0300 | 0.9624 | 0.0604 | 0.0155 | 20 | -0.95 | 3% | 0 |
| 032.31 | Potassium, AAS, Dry ash | 619 | 0.9390 | 0.0040 | 0.9624 | 0.0604 | 0.0155 | 20 | -0.39 | 1% | 0 |
| 032.31 | Potassium, AAS, Dry ash | 505 | 0.9450 | 0.0100 | 0.9624 | 0.0604 | 0.0155 | 20 | -0.29 | 1% | 0 |
| 032.31 | Potassium, AAS, Dry ash | 629 | 0.9600 | 0.0000 | 0.9624 | 0.0604 | 0.0155 | 20 | -0.04 | 0% | 0 |
| 032.31 | Potassium, AAS, Dry ash | 205 | 0.9730 | 0.0480 | 0.9624 | 0.0604 | 0.0155 | 20 | 0.18 | 1% | 0 |
| 032.31 | Potassium, AAS, Dry ash | 65 | 0.9781 | 0.0074 | 0.9624 | 0.0604 | 0.0155 | 20 | 0.26 | 1% | 0 |
| 032.31 | Potassium, AAS, Dry ash | 175 | 0.9800 | 0.0400 | 0.9624 | 0.0604 | 0.0155 | 20 | 0.29 | 1% | 0 |
| 032.31 | Potassium, AAS, Dry ash | 675 | 0.9850 | 0.0100 | 0.9624 | 0.0604 | 0.0155 | 20 | 0.37 | 1% | 0 |
| 032.31 | Potassium, AAS, Dry ash | 142 | 1.0000 | 0.0000 | 0.9624 | 0.0604 | 0.0155 | 20 | 0.62 | 2% | 0 |
| 032.31 | Potassium, AAS, Dry ash | 1 | 1.0080 | 0.0260 | 0.9624 | 0.0604 | 0.0155 | 20 | 0.76 | 2% | 0 |
| 032.31 | Potassium, AAS, Dry ash | 868 | 1.0100 | 0.0200 | 0.9624 | 0.0604 | 0.0155 | 20 | 0.79 | 2% | 0 |
| 032.31 | Potassium, AAS, Dry ash | 596 | 1.0150 | 0.0300 | 0.9624 | 0.0604 | 0.0155 | 20 | 0.87 | 3% | 0 |
| 032.31 | Potassium, AAS, Dry ash | 38 | 1.0250 | 0.0100 | 0.9624 | 0.0604 | 0.0155 | 20 | 1.04 | 3% | 0 |
| 032.31 | Potassium, AAS, Dry ash | 354 | 1.0300 | 0.0200 | 0.9624 | 0.0604 | 0.0155 | 20 | 1.12 | 4% | 0 |
| 032.31 | Potassium, AAS, Dry ash | 208 | 1.0400 | 0.0000 | 0.9624 | 0.0604 | 0.0155 | 20 | 1.29 | 4% | 0 |
| 032.31 | Potassium, AAS, Dry ash | 350 | 0.9945 | 0.0730 | 0.9624 | 0.0604 | 0.0155 | 20 | 0.53 | 2% | 1 |
| 032.32 | Potassium, AAS, Open vessel | 882 | 0.5650 | 0.0002 | 1.0231 | 0.0250 | 0.0152 | 9 | -18.36 | 22% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|-----------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 032.32 | Potassium, AAS, Open vessel | 631 | 0.8650 | 0.0300 | 1.0231 | 0.0250 | 0.0152 | 9 | -6.34 | 8% | 0 |
| 032.32 | Potassium, AAS, Open vessel | 13 | 0.9725 | 0.0290 | 1.0231 | 0.0250 | 0.0152 | 9 | -2.03 | 2% | 0 |
| 032.32 | Potassium, AAS, Open vessel | 609 | 1.0150 | 0.0100 | 1.0231 | 0.0250 | 0.0152 | 9 | -0.32 | 0% | 0 |
| 032.32 | Potassium, AAS, Open vessel | 35 | 1.0300 | 0.0000 | 1.0231 | 0.0250 | 0.0152 | 9 | 0.28 | 0% | 0 |
| 032.32 | Potassium, AAS, Open vessel | 612 | 1.0400 | 0.0200 | 1.0231 | 0.0250 | 0.0152 | 9 | 0.68 | 1% | 0 |
| 032.32 | Potassium, AAS, Open vessel | 656 | 1.0400 | 0.0000 | 1.0231 | 0.0250 | 0.0152 | 9 | 0.68 | 1% | 0 |
| 032.32 | Potassium, AAS, Open vessel | 169 | 1.0450 | 0.0300 | 1.0231 | 0.0250 | 0.0152 | 9 | 0.88 | 1% | 0 |
| 032.32 | Potassium, AAS, Open vessel | 36 | 1.0478 | 0.0175 | 1.0231 | 0.0250 | 0.0152 | 9 | 0.99 | 1% | 0 |
| 032.41 | Potassium, ICP, Dry ash | 3 | 0.7400 | 0.0200 | 0.9665 | 0.0543 | 0.0251 | 34 | -4.17 | 12% | 0 |
| 032.41 | Potassium, ICP, Dry ash | 550 | 0.7635 | 0.1230 | 0.9665 | 0.0543 | 0.0251 | 34 | -3.74 | 11% | 0 |
| 032.41 | Potassium, ICP, Dry ash | 598 | 0.7902 | 0.0193 | 0.9665 | 0.0543 | 0.0251 | 34 | -3.25 | 9% | 0 |
| 032.41 | Potassium, ICP, Dry ash | 682 | 0.8700 | 0.1200 | 0.9665 | 0.0543 | 0.0251 | 34 | -1.78 | 5% | 0 |
| 032.41 | Potassium, ICP, Dry ash | 229 | 0.8900 | 0.0200 | 0.9665 | 0.0543 | 0.0251 | 34 | -1.41 | 4% | 0 |
| 032.41 | Potassium, ICP, Dry ash | 83 | 0.9100 | 0.0000 | 0.9665 | 0.0543 | 0.0251 | 34 | -1.04 | 3% | 0 |
| 032.41 | Potassium, ICP, Dry ash | 511 | 0.9150 | 0.0500 | 0.9665 | 0.0543 | 0.0251 | 34 | -0.95 | 3% | 0 |
| 032.41 | Potassium, ICP, Dry ash | 553 | 0.9225 | 0.0030 | 0.9665 | 0.0543 | 0.0251 | 34 | -0.81 | 2% | 0 |
| 032.41 | Potassium, ICP, Dry ash | 171 | 0.9330 | 0.0200 | 0.9665 | 0.0543 | 0.0251 | 34 | -0.62 | 2% | 0 |
| 032.41 | Potassium, ICP, Dry ash | 358 | 0.9400 | 0.0000 | 0.9665 | 0.0543 | 0.0251 | 34 | -0.49 | 1% | 0 |
| 032.41 | Potassium, ICP, Dry ash | 4 | 0.9450 | 0.0040 | 0.9665 | 0.0543 | 0.0251 | 34 | -0.40 | 1% | 0 |
| 032.41 | Potassium, ICP, Dry ash | 11 | 0.9491 | 0.0180 | 0.9665 | 0.0543 | 0.0251 | 34 | -0.32 | 1% | 0 |
| 032.41 | Potassium, ICP, Dry ash | 144 | 0.9500 | 0.0200 | 0.9665 | 0.0543 | 0.0251 | 34 | -0.30 | 1% | 0 |
| 032.41 | Potassium, ICP, Dry ash | 208 | 0.9510 | 0.0180 | 0.9665 | 0.0543 | 0.0251 | 34 | -0.29 | 1% | 0 |
| 032.41 | Potassium, ICP, Dry ash | 29 | 0.9610 | 0.0356 | 0.9665 | 0.0543 | 0.0251 | 34 | -0.10 | 0% | 0 |
| 032.41 | Potassium, ICP, Dry ash | 860 | 0.9650 | 0.0100 | 0.9665 | 0.0543 | 0.0251 | 34 | -0.03 | 0% | 0 |
| 032.41 | Potassium, ICP, Dry ash | 148 | 0.9655 | 0.0050 | 0.9665 | 0.0543 | 0.0251 | 34 | -0.02 | 0% | 0 |
| 032.41 | Potassium, ICP, Dry ash | 164 | 0.9700 | 0.0400 | 0.9665 | 0.0543 | 0.0251 | 34 | 0.06 | 0% | 0 |
| 032.41 | Potassium, ICP, Dry ash | 242 | 0.9700 | 0.0000 | 0.9665 | 0.0543 | 0.0251 | 34 | 0.06 | 0% | 0 |
| 032.41 | Potassium, ICP, Dry ash | 19 | 0.9750 | 0.0100 | 0.9665 | 0.0543 | 0.0251 | 34 | 0.16 | 0% | 0 |
| 032.41 | Potassium, ICP, Dry ash | 100 | 0.9750 | 0.0700 | 0.9665 | 0.0543 | 0.0251 | 34 | 0.16 | 0% | 0 |
| 032.41 | Potassium, ICP, Dry ash | 848 | 0.9783 | 0.0066 | 0.9665 | 0.0543 | 0.0251 | 34 | 0.22 | 1% | 0 |
| 032.41 | Potassium, ICP, Dry ash | 26 | 0.9830 | 0.0100 | 0.9665 | 0.0543 | 0.0251 | 34 | 0.30 | 1% | 0 |
| 032.41 | Potassium, ICP, Dry ash | 265 | 0.9900 | 0.0200 | 0.9665 | 0.0543 | 0.0251 | 34 | 0.43 | 1% | 0 |
| 032.41 | Potassium, ICP, Dry ash | 520 | 1.0000 | 0.0000 | 0.9665 | 0.0543 | 0.0251 | 34 | 0.62 | 2% | 0 |
| 032.41 | Potassium, ICP, Dry ash | 695 | 1.0000 | 0.0000 | 0.9665 | 0.0543 | 0.0251 | 34 | 0.62 | 2% | 0 |
| 032.41 | Potassium, ICP, Dry ash | 413 | 1.0050 | 0.0900 | 0.9665 | 0.0543 | 0.0251 | 34 | 0.71 | 2% | 0 |
| 032.41 | Potassium, ICP, Dry ash | 98 | 1.0150 | 0.0300 | 0.9665 | 0.0543 | 0.0251 | 34 | 0.89 | 3% | 0 |
| 032.41 | Potassium, ICP, Dry ash | 8 | 1.0224 | 0.0000 | 0.9665 | 0.0543 | 0.0251 | 34 | 1.03 | 3% | 0 |
| 032.41 | Potassium, ICP, Dry ash | 74 | 1.0350 | 0.0300 | 0.9665 | 0.0543 | 0.0251 | 34 | 1.26 | 4% | 0 |
| 032.41 | Potassium, ICP, Dry ash | 405 | 1.0950 | 0.0100 | 0.9665 | 0.0543 | 0.0251 | 34 | 2.37 | 7% | 0 |
| 032.41 | Potassium, ICP, Dry ash | 407 | 1.1000 | 0.0000 | 0.9665 | 0.0543 | 0.0251 | 34 | 2.46 | 7% | 0 |
| 032.41 | Potassium, ICP, Dry ash | 425 | 1.1000 | 0.0000 | 0.9665 | 0.0543 | 0.0251 | 34 | 2.46 | 7% | 0 |
| 032.41 | Potassium, ICP, Dry ash | 226 | 1.1450 | 0.0500 | 0.9665 | 0.0543 | 0.0251 | 34 | 3.29 | 9% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|--------------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 032.41 | Potassium, ICP, Dry ash | 300 | 0.9490 | 0.1540 | 0.9665 | 0.0543 | 0.0251 | 34 | -0.32 | 1% | 1 |
| 032.42 | Potassium, ICP, Open vessel | 37 | 0.9435 | 0.0310 | 1.0315 | 0.0435 | 0.0145 | 21 | -2.02 | 4% | 0 |
| 032.42 | Potassium, ICP, Open vessel | 98 | 0.9450 | 0.0100 | 1.0315 | 0.0435 | 0.0145 | 21 | -1.99 | 4% | 0 |
| 032.42 | Potassium, ICP, Open vessel | 187 | 0.9741 | 0.0003 | 1.0315 | 0.0435 | 0.0145 | 21 | -1.32 | 3% | 0 |
| 032.42 | Potassium, ICP, Open vessel | 45 | 0.9935 | 0.0050 | 1.0315 | 0.0435 | 0.0145 | 21 | -0.87 | 2% | 0 |
| 032.42 | Potassium, ICP, Open vessel | 616 | 0.9985 | 0.0030 | 1.0315 | 0.0435 | 0.0145 | 21 | -0.76 | 2% | 0 |
| 032.42 | Potassium, ICP, Open vessel | 613 | 1.0000 | 0.0000 | 1.0315 | 0.0435 | 0.0145 | 21 | -0.72 | 2% | 0 |
| 032.42 | Potassium, ICP, Open vessel | 35 | 1.0100 | 0.0000 | 1.0315 | 0.0435 | 0.0145 | 21 | -0.49 | 1% | 0 |
| 032.42 | Potassium, ICP, Open vessel | 160 | 1.0191 | 0.0333 | 1.0315 | 0.0435 | 0.0145 | 21 | -0.29 | 1% | 0 |
| 032.42 | Potassium, ICP, Open vessel | 199 | 1.0200 | 0.0000 | 1.0315 | 0.0435 | 0.0145 | 21 | -0.27 | 1% | 0 |
| 032.42 | Potassium, ICP, Open vessel | 309 | 1.0320 | 0.0580 | 1.0315 | 0.0435 | 0.0145 | 21 | 0.01 | 0% | 0 |
| 032.42 | Potassium, ICP, Open vessel | 504 | 1.0340 | 0.0160 | 1.0315 | 0.0435 | 0.0145 | 21 | 0.06 | 0% | 0 |
| 032.42 | Potassium, ICP, Open vessel | 357 | 1.0350 | 0.0100 | 1.0315 | 0.0435 | 0.0145 | 21 | 0.08 | 0% | 0 |
| 032.42 | Potassium, ICP, Open vessel | 560 | 1.0350 | 0.0100 | 1.0315 | 0.0435 | 0.0145 | 21 | 0.08 | 0% | 0 |
| 032.42 | Potassium, ICP, Open vessel | 726 | 1.0370 | 0.0020 | 1.0315 | 0.0435 | 0.0145 | 21 | 0.13 | 0% | 0 |
| 032.42 | Potassium, ICP, Open vessel | 21 | 1.0375 | 0.0350 | 1.0315 | 0.0435 | 0.0145 | 21 | 0.14 | 0% | 0 |
| 032.42 | Potassium, ICP, Open vessel | 186 | 1.0550 | 0.0100 | 1.0315 | 0.0435 | 0.0145 | 21 | 0.54 | 1% | 0 |
| 032.42 | Potassium, ICP, Open vessel | 190 | 1.0600 | 0.0200 | 1.0315 | 0.0435 | 0.0145 | 21 | 0.65 | 1% | 0 |
| 032.42 | Potassium, ICP, Open vessel | 366 | 1.0950 | 0.0300 | 1.0315 | 0.0435 | 0.0145 | 21 | 1.46 | 3% | 0 |
| 032.42 | Potassium, ICP, Open vessel | 106 | 1.1000 | 0.0000 | 1.0315 | 0.0435 | 0.0145 | 21 | 1.57 | 3% | 0 |
| 032.42 | Potassium, ICP, Open vessel | 202 | 1.1000 | 0.0200 | 1.0315 | 0.0435 | 0.0145 | 21 | 1.57 | 3% | 0 |
| 032.42 | Potassium, ICP, Open vessel | 692 | 1.1350 | 0.0100 | 1.0315 | 0.0435 | 0.0145 | 21 | 2.38 | 5% | 0 |
| 032.43 | Potassium, ICP, Microwave | 353 | 0.9500 | 0.0200 | 1.0224 | 0.0511 | 0.0182 | 12 | -1.42 | 4% | 0 |
| 032.43 | Potassium, ICP, Microwave | 510 | 0.9700 | 0.0000 | 1.0224 | 0.0511 | 0.0182 | 12 | -1.03 | 3% | 0 |
| 032.43 | Potassium, ICP, Microwave | 42 | 0.9845 | 0.0190 | 1.0224 | 0.0511 | 0.0182 | 12 | -0.74 | 2% | 0 |
| 032.43 | Potassium, ICP, Microwave | 508 | 1.0004 | 0.0096 | 1.0224 | 0.0511 | 0.0182 | 12 | -0.43 | 1% | 0 |
| 032.43 | Potassium, ICP, Microwave | 294 | 1.0050 | 0.0100 | 1.0224 | 0.0511 | 0.0182 | 12 | -0.34 | 1% | 0 |
| 032.43 | Potassium, ICP, Microwave | 870 | 1.0095 | 0.0090 | 1.0224 | 0.0511 | 0.0182 | 12 | -0.25 | 1% | 0 |
| 032.43 | Potassium, ICP, Microwave | 588 | 1.0115 | 0.0070 | 1.0224 | 0.0511 | 0.0182 | 12 | -0.21 | 1% | 0 |
| 032.43 | Potassium, ICP, Microwave | 38 | 1.0350 | 0.0100 | 1.0224 | 0.0511 | 0.0182 | 12 | 0.25 | 1% | 0 |
| 032.43 | Potassium, ICP, Microwave | 297 | 1.0650 | 0.0100 | 1.0224 | 0.0511 | 0.0182 | 12 | 0.83 | 2% | 0 |
| 032.43 | Potassium, ICP, Microwave | 345 | 1.0690 | 0.0640 | 1.0224 | 0.0511 | 0.0182 | 12 | 0.91 | 2% | 0 |
| 032.43 | Potassium, ICP, Microwave | 28 | 1.1050 | 0.0100 | 1.0224 | 0.0511 | 0.0182 | 12 | 1.62 | 4% | 0 |
| 032.43 | Potassium, ICP, Microwave | 121 | 1.1450 | 0.0500 | 1.0224 | 0.0511 | 0.0182 | 12 | 2.40 | 6% | 0 |
| 032.52 | Potassium, ICP-MS, Open vessel | 154 | 1.0225 | 0.0051 | | | 0.0051 | 1 | | | |
| 032.53 | Potassium, ICP-MS, Microwave | 572 | 1.0125 | 0.0350 | | | 0.0350 | 1 | | | |
| 032.99 | Potassium, Miscellaneous | 47 | 0.9300 | 0.0800 | | | 0.0800 | 1 | | | |
| 033.00 | Salt, Sol Cl | 877 | 0.2500 | 0.0200 | 0.7728 | 0.0677 | 0.0198 | 23 | -7.73 | 34% | 0 |
| 033.00 | Salt, Sol Cl | 366 | 0.4100 | 0.0600 | 0.7728 | 0.0677 | 0.0198 | 23 | -5.36 | 23% | 0 |
| 033.00 | Salt, Sol Cl | 871 | 0.6850 | 0.0100 | 0.7728 | 0.0677 | 0.0198 | 23 | -1.30 | 6% | 0 |
| 033.00 | Salt, Sol Cl | 731 | 0.6950 | 0.0100 | 0.7728 | 0.0677 | 0.0198 | 23 | -1.15 | 5% | 0 |
| 033.00 | Salt, Sol Cl | 511 | 0.7000 | 0.0000 | 0.7728 | 0.0677 | 0.0198 | 23 | -1.08 | 5% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|-------------------------|----------|----------|---------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 033.00 | Salt, Sol Cl | 868 | 0.7335 | 0.0210 | 0.7728 | 0.0677 | 0.0198 | 23 | -0.58 | 3% | 0 |
| 033.00 | Salt, Sol Cl | 849 | 0.7350 | 0.0300 | 0.7728 | 0.0677 | 0.0198 | 23 | -0.56 | 2% | 0 |
| 033.00 | Salt, Sol Cl | 878 | 0.7525 | 0.0050 | 0.7728 | 0.0677 | 0.0198 | 23 | -0.30 | 1% | 0 |
| 033.00 | Salt, Sol Cl | 353 | 0.7600 | 0.0000 | 0.7728 | 0.0677 | 0.0198 | 23 | -0.19 | 1% | 0 |
| 033.00 | Salt, Sol Cl | 45 | 0.7650 | 0.0260 | 0.7728 | 0.0677 | 0.0198 | 23 | -0.11 | 1% | 0 |
| 033.00 | Salt, Sol Cl | 160 | 0.7650 | 0.0500 | 0.7728 | 0.0677 | 0.0198 | 23 | -0.11 | 1% | 0 |
| 033.00 | Salt, Sol Cl | 309 | 0.7750 | 0.0540 | 0.7728 | 0.0677 | 0.0198 | 23 | 0.03 | 0% | 0 |
| 033.00 | Salt, Sol Cl | 34 | 0.7850 | 0.0100 | 0.7728 | 0.0677 | 0.0198 | 23 | 0.18 | 1% | 0 |
| 033.00 | Salt, Sol Cl | 298 | 0.7900 | 0.0200 | 0.7728 | 0.0677 | 0.0198 | 23 | 0.25 | 1% | 0 |
| 033.00 | Salt, Sol Cl | 407 | 0.7900 | 0.0000 | 0.7728 | 0.0677 | 0.0198 | 23 | 0.25 | 1% | 0 |
| 033.00 | Salt, Sol Cl | 588 | 0.7900 | 0.0000 | 0.7728 | 0.0677 | 0.0198 | 23 | 0.25 | 1% | 0 |
| 033.00 | Salt, Sol Cl | 695 | 0.7900 | 0.0000 | 0.7728 | 0.0677 | 0.0198 | 23 | 0.25 | 1% | 0 |
| 033.00 | Salt, Sol Cl | 596 | 0.8200 | 0.0000 | 0.7728 | 0.0677 | 0.0198 | 23 | 0.70 | 3% | 0 |
| 033.00 | Salt, Sol Cl | 861 | 0.8200 | 0.0600 | 0.7728 | 0.0677 | 0.0198 | 23 | 0.70 | 3% | 0 |
| 033.00 | Salt, Sol Cl | 689 | 0.8550 | 0.0100 | 0.7728 | 0.0677 | 0.0198 | 23 | 1.22 | 5% | 0 |
| 033.00 | Salt, Sol Cl | 675 | 0.8800 | 0.0200 | 0.7728 | 0.0677 | 0.0198 | 23 | 1.59 | 7% | 0 |
| 033.00 | Salt, Sol Cl | 723 | 0.8850 | 0.0100 | 0.7728 | 0.0677 | 0.0198 | 23 | 1.66 | 7% | 0 |
| 033.00 | Salt, Sol Cl | 539 | 0.9000 | 0.0400 | 0.7728 | 0.0677 | 0.0198 | 23 | 1.88 | 8% | 0 |
| 033.00 | Salt, Sol Cl | 169 | 18.6750 | 36.6500 | 0.7728 | 0.0677 | 0.0198 | 23 | 264.58 | 1158% | 2 |
| 033.01 | Salt, Poten Cl | 100 | 0.7250 | 0.0500 | 0.7965 | 0.0344 | 0.0221 | 33 | -2.08 | 4% | 0 |
| 033.01 | Salt, Poten Cl | 164 | 0.7400 | 0.0200 | 0.7965 | 0.0344 | 0.0221 | 33 | -1.65 | 4% | 0 |
| 033.01 | Salt, Poten Cl | 674 | 0.7500 | 0.0400 | 0.7965 | 0.0344 | 0.0221 | 33 | -1.35 | 3% | 0 |
| 033.01 | Salt, Poten Cl | 11 | 0.7578 | 0.0230 | 0.7965 | 0.0344 | 0.0221 | 33 | -1.13 | 2% | 0 |
| 033.01 | Salt, Poten Cl | 590 | 0.7650 | 0.0100 | 0.7965 | 0.0344 | 0.0221 | 33 | -0.92 | 2% | 0 |
| 033.01 | Salt, Poten Cl | 148 | 0.7665 | 0.0030 | 0.7965 | 0.0344 | 0.0221 | 33 | -0.87 | 2% | 0 |
| 033.01 | Salt, Poten Cl | 26 | 0.7700 | 0.0200 | 0.7965 | 0.0344 | 0.0221 | 33 | -0.77 | 2% | 0 |
| 033.01 | Salt, Poten Cl | 83 | 0.7700 | 0.0000 | 0.7965 | 0.0344 | 0.0221 | 33 | -0.77 | 2% | 0 |
| 033.01 | Salt, Poten Cl | 199 | 0.7750 | 0.0300 | 0.7965 | 0.0344 | 0.0221 | 33 | -0.63 | 1% | 0 |
| 033.01 | Salt, Poten Cl | 229 | 0.7750 | 0.0100 | 0.7965 | 0.0344 | 0.0221 | 33 | -0.63 | 1% | 0 |
| 033.01 | Salt, Poten Cl | 21 | 0.7820 | 0.0060 | 0.7965 | 0.0344 | 0.0221 | 33 | -0.42 | 1% | 0 |
| 033.01 | Salt, Poten Cl | 178 | 0.7850 | 0.0300 | 0.7965 | 0.0344 | 0.0221 | 33 | -0.34 | 1% | 0 |
| 033.01 | Salt, Poten Cl | 226 | 0.7850 | 0.0100 | 0.7965 | 0.0344 | 0.0221 | 33 | -0.34 | 1% | 0 |
| 033.01 | Salt, Poten Cl | 510 | 0.7850 | 0.0100 | 0.7965 | 0.0344 | 0.0221 | 33 | -0.34 | 1% | 0 |
| 033.01 | Salt, Poten Cl | 29 | 0.7900 | 0.0000 | 0.7965 | 0.0344 | 0.0221 | 33 | -0.19 | 0% | 0 |
| 033.01 | Salt, Poten Cl | 51 | 0.7900 | 0.0600 | 0.7965 | 0.0344 | 0.0221 | 33 | -0.19 | 0% | 0 |
| 033.01 | Salt, Poten Cl | 425 | 0.7900 | 0.0000 | 0.7965 | 0.0344 | 0.0221 | 33 | -0.19 | 0% | 0 |
| 033.01 | Salt, Poten Cl | 242 | 0.7915 | 0.0330 | 0.7965 | 0.0344 | 0.0221 | 33 | -0.15 | 0% | 0 |
| 033.01 | Salt, Poten Cl | 106 | 0.7950 | 0.0240 | 0.7965 | 0.0344 | 0.0221 | 33 | -0.04 | 0% | 0 |
| 033.01 | Salt, Poten Cl | 354 | 0.7950 | 0.0100 | 0.7965 | 0.0344 | 0.0221 | 33 | -0.04 | 0% | 0 |
| 033.01 | Salt, Poten Cl | 175 | 0.8100 | 0.0200 | 0.7965 | 0.0344 | 0.0221 | 33 | 0.39 | 1% | 0 |
| 033.01 | Salt, Poten Cl | 559 | 0.8100 | 0.0400 | 0.7965 | 0.0344 | 0.0221 | 33 | 0.39 | 1% | 0 |
| 033.01 | Salt, Poten Cl | 98 | 0.8200 | 0.0000 | 0.7965 | 0.0344 | 0.0221 | 33 | 0.68 | 1% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|-------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 033.01 | Salt, Poten Cl | 629 | 0.8200 | 0.0200 | 0.7965 | 0.0344 | 0.0221 | 33 | 0.68 | 1% | 0 |
| 033.01 | Salt, Poten Cl | 19 | 0.8250 | 0.0500 | 0.7965 | 0.0344 | 0.0221 | 33 | 0.83 | 2% | 0 |
| 033.01 | Salt, Poten Cl | 610 | 0.8250 | 0.0500 | 0.7965 | 0.0344 | 0.0221 | 33 | 0.83 | 2% | 0 |
| 033.01 | Salt, Poten Cl | 42 | 0.8300 | 0.0400 | 0.7965 | 0.0344 | 0.0221 | 33 | 0.97 | 2% | 0 |
| 033.01 | Salt, Poten Cl | 205 | 0.8330 | 0.0100 | 0.7965 | 0.0344 | 0.0221 | 33 | 1.06 | 2% | 0 |
| 033.01 | Salt, Poten Cl | 413 | 0.8350 | 0.0300 | 0.7965 | 0.0344 | 0.0221 | 33 | 1.12 | 2% | 0 |
| 033.01 | Salt, Poten Cl | 39 | 0.8478 | 0.0027 | 0.7965 | 0.0344 | 0.0221 | 33 | 1.49 | 3% | 0 |
| 033.01 | Salt, Poten Cl | 650 | 0.8550 | 0.0100 | 0.7965 | 0.0344 | 0.0221 | 33 | 1.70 | 4% | 0 |
| 033.01 | Salt, Poten Cl | 874 | 0.9340 | 0.0080 | 0.7965 | 0.0344 | 0.0221 | 33 | 4.00 | 9% | 0 |
| 033.01 | Salt, Poten Cl | 3 | 0.9400 | 0.0600 | 0.7965 | 0.0344 | 0.0221 | 33 | 4.18 | 9% | 0 |
| 033.03 | Salt, Quantab | 860 | 0.4875 | 0.0190 | 0.7265 | 0.0857 | 0.0310 | 9 | -2.79 | 16% | 0 |
| 033.03 | Salt, Quantab | 883 | 0.6450 | 0.0100 | 0.7265 | 0.0857 | 0.0310 | 9 | -0.95 | 6% | 0 |
| 033.03 | Salt, Quantab | 848 | 0.6550 | 0.0300 | 0.7265 | 0.0857 | 0.0310 | 9 | -0.83 | 5% | 0 |
| 033.03 | Salt, Quantab | 726 | 0.6900 | 0.0000 | 0.7265 | 0.0857 | 0.0310 | 9 | -0.43 | 3% | 0 |
| 033.03 | Salt, Quantab | 265 | 0.7400 | 0.0800 | 0.7265 | 0.0857 | 0.0310 | 9 | 0.16 | 1% | 0 |
| 033.03 | Salt, Quantab | 144 | 0.7550 | 0.0500 | 0.7265 | 0.0857 | 0.0310 | 9 | 0.33 | 2% | 0 |
| 033.03 | Salt, Quantab | 190 | 0.7900 | 0.0600 | 0.7265 | 0.0857 | 0.0310 | 9 | 0.74 | 4% | 0 |
| 033.03 | Salt, Quantab | 598 | 0.7900 | 0.0000 | 0.7265 | 0.0857 | 0.0310 | 9 | 0.74 | 4% | 0 |
| 033.03 | Salt, Quantab | 505 | 0.8450 | 0.0300 | 0.7265 | 0.0857 | 0.0310 | 9 | 1.38 | 8% | 0 |
| 033.05 | Salt, Ion Sel Electrode | 4 | 0.7250 | 0.0100 | 0.7525 | 0.0389 | 0.0150 | 2 | -0.71 | 2% | 0 |
| 033.05 | Salt, Ion Sel Electrode | 171 | 0.7800 | 0.0200 | 0.7525 | 0.0389 | 0.0150 | 2 | 0.71 | 2% | 0 |
| 033.99 | Salt, Miscellaneous | 358 | 0.5550 | 0.0300 | 0.7604 | 0.1074 | 0.0361 | 10 | -1.91 | 14% | 0 |
| 033.99 | Salt, Miscellaneous | 121 | 0.6850 | 0.0480 | 0.7604 | 0.1074 | 0.0361 | 10 | -0.70 | 5% | 0 |
| 033.99 | Salt, Miscellaneous | 647 | 0.6850 | 0.0300 | 0.7604 | 0.1074 | 0.0361 | 10 | -0.70 | 5% | 0 |
| 033.99 | Salt, Miscellaneous | 685 | 0.7150 | 0.0900 | 0.7604 | 0.1074 | 0.0361 | 10 | -0.42 | 3% | 0 |
| 033.99 | Salt, Miscellaneous | 619 | 0.7350 | 0.0120 | 0.7604 | 0.1074 | 0.0361 | 10 | -0.24 | 2% | 0 |
| 033.99 | Salt, Miscellaneous | 552 | 0.7850 | 0.0500 | 0.7604 | 0.1074 | 0.0361 | 10 | 0.23 | 2% | 0 |
| 033.99 | Salt, Miscellaneous | 673 | 0.8000 | 0.0000 | 0.7604 | 0.1074 | 0.0361 | 10 | 0.37 | 3% | 0 |
| 033.99 | Salt, Miscellaneous | 297 | 0.8300 | 0.0000 | 0.7604 | 0.1074 | 0.0361 | 10 | 0.65 | 5% | 0 |
| 033.99 | Salt, Miscellaneous | 208 | 0.8485 | 0.0510 | 0.7604 | 0.1074 | 0.0361 | 10 | 0.82 | 6% | 0 |
| 033.99 | Salt, Miscellaneous | 681 | 1.7650 | 0.0500 | 0.7604 | 0.1074 | 0.0361 | 10 | 9.36 | 66% | 0 |
| 034.01 | Selenium, Fluor | 38 | 0.5210 | 0.0300 | | | 0.0300 | 1 | | | |
| 034.04 | Selenium, AA, Hydride | 98 | 0.3350 | 0.0100 | 0.4554 | 0.0857 | 0.0323 | 7 | -1.40 | 13% | 0 |
| 034.04 | Selenium, AA, Hydride | 164 | 0.4100 | 0.1200 | 0.4554 | 0.0857 | 0.0323 | 7 | -0.53 | 5% | 0 |
| 034.04 | Selenium, AA, Hydride | 26 | 0.4200 | 0.0200 | 0.4554 | 0.0857 | 0.0323 | 7 | -0.41 | 4% | 0 |
| 034.04 | Selenium, AA, Hydride | 619 | 0.4380 | 0.0060 | 0.4554 | 0.0857 | 0.0323 | 7 | -0.20 | 2% | 0 |
| 034.04 | Selenium, AA, Hydride | 169 | 0.5200 | 0.0200 | 0.4554 | 0.0857 | 0.0323 | 7 | 0.75 | 7% | 0 |
| 034.04 | Selenium, AA, Hydride | 190 | 0.5250 | 0.0100 | 0.4554 | 0.0857 | 0.0323 | 7 | 0.81 | 8% | 0 |
| 034.04 | Selenium, AA, Hydride | 208 | 0.5400 | 0.0400 | 0.4554 | 0.0857 | 0.0323 | 7 | 0.99 | 9% | 0 |
| 034.04 | Selenium, AA, Hydride | 591 | 9.2500 | 0.5000 | 0.4554 | 0.0857 | 0.0323 | 7 | 102.59 | 966% | 2 |
| 034.41 | Selenium, ICP, Dry ash | 682 | 0.1850 | 0.0700 | 0.4120 | 0.2538 | 0.0347 | 3 | -0.89 | 28% | 0 |
| 034.41 | Selenium, ICP, Dry ash | 629 | 0.3650 | 0.0100 | 0.4120 | 0.2538 | 0.0347 | 3 | -0.19 | 6% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|-------------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 034.41 | Selenium, ICP, Dry ash | 860 | 0.6860 | 0.0240 | 0.4120 | 0.2538 | 0.0347 | 3 | 1.08 | 33% | 0 |
| 034.42 | Selenium, ICP, Open vessel | 504 | 1.1850 | 2.3700 | | | 2.3700 | 1 | | | |
| 034.52 | Selenium, ICP-MS, Open vessel | 560 | 0.4905 | 0.0030 | 0.6378 | 0.2082 | 0.0065 | 2 | -0.71 | 12% | 0 |
| 034.52 | Selenium, ICP-MS, Open vessel | 154 | 0.7850 | 0.0100 | 0.6378 | 0.2082 | 0.0065 | 2 | 0.71 | 12% | 0 |
| 034.99 | Selenium, Miscellaneous | 508 | 0.5037 | 0.0125 | 0.5943 | 0.1282 | 0.0813 | 2 | -0.71 | 8% | 0 |
| 034.99 | Selenium, Miscellaneous | 47 | 0.6850 | 0.1500 | 0.5943 | 0.1282 | 0.0813 | 2 | 0.71 | 8% | 0 |
| 035.01 | Sodium, Ion Sel Electrode | 138 | 0.2050 | 0.0100 | | | 0.0100 | 1 | | | |
| 035.03 | #N/A | 864 | 0.2400 | 0.0200 | | | 0.0200 | 1 | | | |
| 035.05 | Sodium, Flame Emission | 590 | 0.2351 | 0.0152 | 0.2485 | 0.0081 | 0.0187 | 6 | -1.65 | 3% | 0 |
| 035.05 | Sodium, Flame Emission | 108 | 0.2450 | 0.0500 | 0.2485 | 0.0081 | 0.0187 | 6 | -0.43 | 1% | 0 |
| 035.05 | Sodium, Flame Emission | 665 | 0.2450 | 0.0100 | 0.2485 | 0.0081 | 0.0187 | 6 | -0.43 | 1% | 0 |
| 035.05 | Sodium, Flame Emission | 504 | 0.2524 | 0.0188 | 0.2485 | 0.0081 | 0.0187 | 6 | 0.48 | 1% | 0 |
| 035.05 | Sodium, Flame Emission | 669 | 0.2550 | 0.0100 | 0.2485 | 0.0081 | 0.0187 | 6 | 0.80 | 1% | 0 |
| 035.05 | Sodium, Flame Emission | 152 | 0.2560 | 0.0080 | 0.2485 | 0.0081 | 0.0187 | 6 | 0.92 | 2% | 0 |
| 035.31 | Sodium, AAS, Dry ash | 175 | 0.1900 | 0.0200 | 0.2295 | 0.0233 | 0.0085 | 19 | -1.69 | 9% | 0 |
| 035.31 | Sodium, AAS, Dry ash | 650 | 0.1950 | 0.0100 | 0.2295 | 0.0233 | 0.0085 | 19 | -1.48 | 8% | 0 |
| 035.31 | Sodium, AAS, Dry ash | 354 | 0.2050 | 0.0100 | 0.2295 | 0.0233 | 0.0085 | 19 | -1.05 | 5% | 0 |
| 035.31 | Sodium, AAS, Dry ash | 731 | 0.2075 | 0.0010 | 0.2295 | 0.0233 | 0.0085 | 19 | -0.94 | 5% | 0 |
| 035.31 | Sodium, AAS, Dry ash | 505 | 0.2150 | 0.0100 | 0.2295 | 0.0233 | 0.0085 | 19 | -0.62 | 3% | 0 |
| 035.31 | Sodium, AAS, Dry ash | 720 | 0.2150 | 0.0100 | 0.2295 | 0.0233 | 0.0085 | 19 | -0.62 | 3% | 0 |
| 035.31 | Sodium, AAS, Dry ash | 675 | 0.2200 | 0.0000 | 0.2295 | 0.0233 | 0.0085 | 19 | -0.41 | 2% | 0 |
| 035.31 | Sodium, AAS, Dry ash | 874 | 0.2235 | 0.0090 | 0.2295 | 0.0233 | 0.0085 | 19 | -0.26 | 1% | 0 |
| 035.31 | Sodium, AAS, Dry ash | 142 | 0.2250 | 0.0300 | 0.2295 | 0.0233 | 0.0085 | 19 | -0.19 | 1% | 0 |
| 035.31 | Sodium, AAS, Dry ash | 591 | 0.2300 | 0.0200 | 0.2295 | 0.0233 | 0.0085 | 19 | 0.02 | 0% | 0 |
| 035.31 | Sodium, AAS, Dry ash | 205 | 0.2315 | 0.0090 | 0.2295 | 0.0233 | 0.0085 | 19 | 0.09 | 0% | 0 |
| 035.31 | Sodium, AAS, Dry ash | 670 | 0.2380 | 0.0020 | 0.2295 | 0.0233 | 0.0085 | 19 | 0.36 | 2% | 0 |
| 035.31 | Sodium, AAS, Dry ash | 233 | 0.2400 | 0.0000 | 0.2295 | 0.0233 | 0.0085 | 19 | 0.45 | 2% | 0 |
| 035.31 | Sodium, AAS, Dry ash | 305 | 0.2450 | 0.0100 | 0.2295 | 0.0233 | 0.0085 | 19 | 0.66 | 3% | 0 |
| 035.31 | Sodium, AAS, Dry ash | 65 | 0.2457 | 0.0008 | 0.2295 | 0.0233 | 0.0085 | 19 | 0.69 | 4% | 0 |
| 035.31 | Sodium, AAS, Dry ash | 38 | 0.2495 | 0.0090 | 0.2295 | 0.0233 | 0.0085 | 19 | 0.86 | 4% | 0 |
| 035.31 | Sodium, AAS, Dry ash | 208 | 0.2500 | 0.0000 | 0.2295 | 0.0233 | 0.0085 | 19 | 0.88 | 4% | 0 |
| 035.31 | Sodium, AAS, Dry ash | 619 | 0.2640 | 0.0080 | 0.2295 | 0.0233 | 0.0085 | 19 | 1.48 | 8% | 0 |
| 035.31 | Sodium, AAS, Dry ash | 868 | 0.2970 | 0.0020 | 0.2295 | 0.0233 | 0.0085 | 19 | 2.89 | 15% | 0 |
| 035.32 | Sodium, AAS, Open vessel | 609 | 0.1900 | 0.0000 | 0.2602 | 0.0156 | 0.0042 | 6 | -4.52 | 13% | 0 |
| 035.32 | Sodium, AAS, Open vessel | 722 | 0.2363 | 0.0043 | 0.2602 | 0.0156 | 0.0042 | 6 | -1.54 | 5% | 0 |
| 035.32 | Sodium, AAS, Open vessel | 263 | 0.2626 | 0.0008 | 0.2602 | 0.0156 | 0.0042 | 6 | 0.15 | 0% | 0 |
| 035.32 | Sodium, AAS, Open vessel | 35 | 0.2650 | 0.0100 | 0.2602 | 0.0156 | 0.0042 | 6 | 0.31 | 1% | 0 |
| 035.32 | Sodium, AAS, Open vessel | 169 | 0.2650 | 0.0100 | 0.2602 | 0.0156 | 0.0042 | 6 | 0.31 | 1% | 0 |
| 035.32 | Sodium, AAS, Open vessel | 656 | 0.2800 | 0.0000 | 0.2602 | 0.0156 | 0.0042 | 6 | 1.27 | 4% | 0 |
| 035.41 | Sodium, ICP, Dry ash | 598 | 0.1906 | 0.0040 | 0.2399 | 0.0236 | 0.0104 | 32 | -2.09 | 10% | 0 |
| 035.41 | Sodium, ICP, Dry ash | 550 | 0.1995 | 0.0330 | 0.2399 | 0.0236 | 0.0104 | 32 | -1.72 | 8% | 0 |
| 035.41 | Sodium, ICP, Dry ash | 695 | 0.2100 | 0.0200 | 0.2399 | 0.0236 | 0.0104 | 32 | -1.27 | 6% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|--------------------------|----------|-----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 035.41 | Sodium, ICP, Dry ash | 83 | 0.2150 | 0.0100 | 0.2399 | 0.0236 | 0.0104 | 32 | -1.06 | 5% | 0 |
| 035.41 | Sodium, ICP, Dry ash | 229 | 0.2150 | 0.0100 | 0.2399 | 0.0236 | 0.0104 | 32 | -1.06 | 5% | 0 |
| 035.41 | Sodium, ICP, Dry ash | 358 | 0.2150 | 0.0100 | 0.2399 | 0.0236 | 0.0104 | 32 | -1.06 | 5% | 0 |
| 035.41 | Sodium, ICP, Dry ash | 682 | 0.2150 | 0.0100 | 0.2399 | 0.0236 | 0.0104 | 32 | -1.06 | 5% | 0 |
| 035.41 | Sodium, ICP, Dry ash | 300 | 0.2250 | 0.0280 | 0.2399 | 0.0236 | 0.0104 | 32 | -0.63 | 3% | 0 |
| 035.41 | Sodium, ICP, Dry ash | 298 | 0.2250 | 0.0100 | 0.2399 | 0.0236 | 0.0104 | 32 | -0.63 | 3% | 0 |
| 035.41 | Sodium, ICP, Dry ash | 511 | 0.2300 | 0.0000 | 0.2399 | 0.0236 | 0.0104 | 32 | -0.42 | 2% | 0 |
| 035.41 | Sodium, ICP, Dry ash | 148 | 0.2315 | 0.0010 | 0.2399 | 0.0236 | 0.0104 | 32 | -0.36 | 2% | 0 |
| 035.41 | Sodium, ICP, Dry ash | 553 | 0.2345 | 0.0030 | 0.2399 | 0.0236 | 0.0104 | 32 | -0.23 | 1% | 0 |
| 035.41 | Sodium, ICP, Dry ash | 144 | 0.2350 | 0.0100 | 0.2399 | 0.0236 | 0.0104 | 32 | -0.21 | 1% | 0 |
| 035.41 | Sodium, ICP, Dry ash | 171 | 0.2350 | 0.0100 | 0.2399 | 0.0236 | 0.0104 | 32 | -0.21 | 1% | 0 |
| 035.41 | Sodium, ICP, Dry ash | 11 | 0.2359 | 0.0037 | 0.2399 | 0.0236 | 0.0104 | 32 | -0.17 | 1% | 0 |
| 035.41 | Sodium, ICP, Dry ash | 29 | 0.2394 | 0.0219 | 0.2399 | 0.0236 | 0.0104 | 32 | -0.02 | 0% | 0 |
| 035.41 | Sodium, ICP, Dry ash | 89 | 0.2400 | 0.0000 | 0.2399 | 0.0236 | 0.0104 | 32 | 0.00 | 0% | 0 |
| 035.41 | Sodium, ICP, Dry ash | 98 | 0.2400 | 0.0200 | 0.2399 | 0.0236 | 0.0104 | 32 | 0.00 | 0% | 0 |
| 035.41 | Sodium, ICP, Dry ash | 164 | 0.2400 | 0.0000 | 0.2399 | 0.0236 | 0.0104 | 32 | 0.00 | 0% | 0 |
| 035.41 | Sodium, ICP, Dry ash | 242 | 0.2400 | 0.0000 | 0.2399 | 0.0236 | 0.0104 | 32 | 0.00 | 0% | 0 |
| 035.41 | Sodium, ICP, Dry ash | 405 | 0.2490 | 0.0040 | 0.2399 | 0.0236 | 0.0104 | 32 | 0.38 | 2% | 0 |
| 035.41 | Sodium, ICP, Dry ash | 265 | 0.2500 | 0.0200 | 0.2399 | 0.0236 | 0.0104 | 32 | 0.43 | 2% | 0 |
| 035.41 | Sodium, ICP, Dry ash | 413 | 0.2500 | 0.0200 | 0.2399 | 0.0236 | 0.0104 | 32 | 0.43 | 2% | 0 |
| 035.41 | Sodium, ICP, Dry ash | 100 | 0.2550 | 0.0300 | 0.2399 | 0.0236 | 0.0104 | 32 | 0.64 | 3% | 0 |
| 035.41 | Sodium, ICP, Dry ash | 226 | 0.2550 | 0.0100 | 0.2399 | 0.0236 | 0.0104 | 32 | 0.64 | 3% | 0 |
| 035.41 | Sodium, ICP, Dry ash | 520 | 0.2600 | 0.0000 | 0.2399 | 0.0236 | 0.0104 | 32 | 0.85 | 4% | 0 |
| 035.41 | Sodium, ICP, Dry ash | 883 | 0.2600 | 0.0000 | 0.2399 | 0.0236 | 0.0104 | 32 | 0.85 | 4% | 0 |
| 035.41 | Sodium, ICP, Dry ash | 407 | 0.2815 | 0.0010 | 0.2399 | 0.0236 | 0.0104 | 32 | 1.76 | 9% | 0 |
| 035.41 | Sodium, ICP, Dry ash | 208 | 0.2825 | 0.0130 | 0.2399 | 0.0236 | 0.0104 | 32 | 1.81 | 9% | 0 |
| 035.41 | Sodium, ICP, Dry ash | 425 | 0.2850 | 0.0100 | 0.2399 | 0.0236 | 0.0104 | 32 | 1.91 | 9% | 0 |
| 035.41 | Sodium, ICP, Dry ash | 4 | 0.3075 | 0.0090 | 0.2399 | 0.0236 | 0.0104 | 32 | 2.87 | 14% | 0 |
| 035.41 | Sodium, ICP, Dry ash | 3 | 0.3550 | 0.0100 | 0.2399 | 0.0236 | 0.0104 | 32 | 4.88 | 24% | 0 |
| 035.41 | Sodium, ICP, Dry ash | 8 | 2380.7095 | 0.0000 | 0.2399 | 0.0236 | 0.0104 | 32 | 101040.49 | 496059% | 2 |
| 035.42 | Sodium, ICP, Open vessel | 616 | 0.2155 | 0.0090 | 0.2439 | 0.0203 | 0.0108 | 19 | -1.40 | 6% | 0 |
| 035.42 | Sodium, ICP, Open vessel | 98 | 0.2200 | 0.0000 | 0.2439 | 0.0203 | 0.0108 | 19 | -1.17 | 5% | 0 |
| 035.42 | Sodium, ICP, Open vessel | 366 | 0.2250 | 0.0100 | 0.2439 | 0.0203 | 0.0108 | 19 | -0.93 | 4% | 0 |
| 035.42 | Sodium, ICP, Open vessel | 45 | 0.2290 | 0.0040 | 0.2439 | 0.0203 | 0.0108 | 19 | -0.73 | 3% | 0 |
| 035.42 | Sodium, ICP, Open vessel | 35 | 0.2300 | 0.0000 | 0.2439 | 0.0203 | 0.0108 | 19 | -0.68 | 3% | 0 |
| 035.42 | Sodium, ICP, Open vessel | 160 | 0.2319 | 0.0051 | 0.2439 | 0.0203 | 0.0108 | 19 | -0.59 | 2% | 0 |
| 035.42 | Sodium, ICP, Open vessel | 560 | 0.2330 | 0.0100 | 0.2439 | 0.0203 | 0.0108 | 19 | -0.54 | 2% | 0 |
| 035.42 | Sodium, ICP, Open vessel | 199 | 0.2350 | 0.0100 | 0.2439 | 0.0203 | 0.0108 | 19 | -0.44 | 2% | 0 |
| 035.42 | Sodium, ICP, Open vessel | 613 | 0.2400 | 0.0000 | 0.2439 | 0.0203 | 0.0108 | 19 | -0.19 | 1% | 0 |
| 035.42 | Sodium, ICP, Open vessel | 504 | 0.2410 | 0.0020 | 0.2439 | 0.0203 | 0.0108 | 19 | -0.14 | 1% | 0 |
| 035.42 | Sodium, ICP, Open vessel | 726 | 0.2428 | 0.0004 | 0.2439 | 0.0203 | 0.0108 | 19 | -0.05 | 0% | 0 |
| 035.42 | Sodium, ICP, Open vessel | 21 | 0.2429 | 0.0338 | 0.2439 | 0.0203 | 0.0108 | 19 | -0.05 | 0% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|-----------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 035.42 | Sodium, ICP, Open vessel | 186 | 0.2445 | 0.0110 | 0.2439 | 0.0203 | 0.0108 | 19 | 0.03 | 0% | 0 |
| 035.42 | Sodium, ICP, Open vessel | 190 | 0.2650 | 0.0100 | 0.2439 | 0.0203 | 0.0108 | 19 | 1.04 | 4% | 0 |
| 035.42 | Sodium, ICP, Open vessel | 187 | 0.2793 | 0.0316 | 0.2439 | 0.0203 | 0.0108 | 19 | 1.74 | 7% | 0 |
| 035.42 | Sodium, ICP, Open vessel | 202 | 0.2895 | 0.0430 | 0.2439 | 0.0203 | 0.0108 | 19 | 2.24 | 9% | 0 |
| 035.42 | Sodium, ICP, Open vessel | 309 | 0.3091 | 0.0050 | 0.2439 | 0.0203 | 0.0108 | 19 | 3.20 | 13% | 0 |
| 035.42 | Sodium, ICP, Open vessel | 692 | 0.3100 | 0.0200 | 0.2439 | 0.0203 | 0.0108 | 19 | 3.25 | 14% | 0 |
| 035.42 | Sodium, ICP, Open vessel | 106 | 0.3290 | 0.0000 | 0.2439 | 0.0203 | 0.0108 | 19 | 4.18 | 17% | 0 |
| 035.43 | Sodium, ICP, Microwave | 870 | 0.2255 | 0.0025 | 0.2453 | 0.0125 | 0.0075 | 11 | -1.59 | 4% | 0 |
| 035.43 | Sodium, ICP, Microwave | 353 | 0.2300 | 0.0000 | 0.2453 | 0.0125 | 0.0075 | 11 | -1.22 | 3% | 0 |
| 035.43 | Sodium, ICP, Microwave | 588 | 0.2300 | 0.0000 | 0.2453 | 0.0125 | 0.0075 | 11 | -1.22 | 3% | 0 |
| 035.43 | Sodium, ICP, Microwave | 510 | 0.2415 | 0.0090 | 0.2453 | 0.0125 | 0.0075 | 11 | -0.31 | 1% | 0 |
| 035.43 | Sodium, ICP, Microwave | 508 | 0.2451 | 0.0043 | 0.2453 | 0.0125 | 0.0075 | 11 | -0.02 | 0% | 0 |
| 035.43 | Sodium, ICP, Microwave | 42 | 0.2475 | 0.0090 | 0.2453 | 0.0125 | 0.0075 | 11 | 0.17 | 0% | 0 |
| 035.43 | Sodium, ICP, Microwave | 38 | 0.2480 | 0.0000 | 0.2453 | 0.0125 | 0.0075 | 11 | 0.21 | 1% | 0 |
| 035.43 | Sodium, ICP, Microwave | 345 | 0.2500 | 0.0200 | 0.2453 | 0.0125 | 0.0075 | 11 | 0.37 | 1% | 0 |
| 035.43 | Sodium, ICP, Microwave | 294 | 0.2550 | 0.0100 | 0.2453 | 0.0125 | 0.0075 | 11 | 0.77 | 2% | 0 |
| 035.43 | Sodium, ICP, Microwave | 297 | 0.2550 | 0.0100 | 0.2453 | 0.0125 | 0.0075 | 11 | 0.77 | 2% | 0 |
| 035.43 | Sodium, ICP, Microwave | 121 | 0.2690 | 0.0180 | 0.2453 | 0.0125 | 0.0075 | 11 | 1.89 | 5% | 0 |
| 035.52 | Sodium, ICP-MS, Open vessel | 154 | 0.2503 | 0.0063 | | | 0.0063 | 1 | | | |
| 035.53 | Sodium, ICP-MS, Microwave | 572 | 0.2460 | 0.0040 | | | 0.0040 | 1 | | | |
| 036.00 | Sulfur, Gravimetric | 4 | 0.3150 | 0.0100 | | | 0.0100 | 1 | | | |
| 036.03 | #N/A | 864 | 0.1600 | 0.0000 | | | 0.0000 | 1 | | | |
| 036.04 | Sulfur, LECO | 226 | 0.1750 | 0.0100 | | | 0.0100 | 1 | | | |
| 036.42 | Sulfur, ICP, Open vessel | 171 | 0.1435 | 0.0070 | 0.1772 | 0.0117 | 0.0062 | 17 | -2.88 | 10% | 0 |
| 036.42 | Sulfur, ICP, Open vessel | 616 | 0.1540 | 0.0080 | 0.1772 | 0.0117 | 0.0062 | 17 | -1.98 | 7% | 0 |
| 036.42 | Sulfur, ICP, Open vessel | 265 | 0.1550 | 0.0100 | 0.1772 | 0.0117 | 0.0062 | 17 | -1.90 | 6% | 0 |
| 036.42 | Sulfur, ICP, Open vessel | 98 | 0.1650 | 0.0100 | 0.1772 | 0.0117 | 0.0062 | 17 | -1.04 | 3% | 0 |
| 036.42 | Sulfur, ICP, Open vessel | 613 | 0.1650 | 0.0100 | 0.1772 | 0.0117 | 0.0062 | 17 | -1.04 | 3% | 0 |
| 036.42 | Sulfur, ICP, Open vessel | 45 | 0.1720 | 0.0080 | 0.1772 | 0.0117 | 0.0062 | 17 | -0.44 | 1% | 0 |
| 036.42 | Sulfur, ICP, Open vessel | 160 | 0.1785 | 0.0048 | 0.1772 | 0.0117 | 0.0062 | 17 | 0.11 | 0% | 0 |
| 036.42 | Sulfur, ICP, Open vessel | 560 | 0.1785 | 0.0010 | 0.1772 | 0.0117 | 0.0062 | 17 | 0.11 | 0% | 0 |
| 036.42 | Sulfur, ICP, Open vessel | 309 | 0.1799 | 0.0076 | 0.1772 | 0.0117 | 0.0062 | 17 | 0.23 | 1% | 0 |
| 036.42 | Sulfur, ICP, Open vessel | 186 | 0.1800 | 0.0020 | 0.1772 | 0.0117 | 0.0062 | 17 | 0.24 | 1% | 0 |
| 036.42 | Sulfur, ICP, Open vessel | 357 | 0.1800 | 0.0000 | 0.1772 | 0.0117 | 0.0062 | 17 | 0.24 | 1% | 0 |
| 036.42 | Sulfur, ICP, Open vessel | 366 | 0.1800 | 0.0000 | 0.1772 | 0.0117 | 0.0062 | 17 | 0.24 | 1% | 0 |
| 036.42 | Sulfur, ICP, Open vessel | 106 | 0.1835 | 0.0050 | 0.1772 | 0.0117 | 0.0062 | 17 | 0.54 | 2% | 0 |
| 036.42 | Sulfur, ICP, Open vessel | 187 | 0.1855 | 0.0017 | 0.1772 | 0.0117 | 0.0062 | 17 | 0.71 | 2% | 0 |
| 036.42 | Sulfur, ICP, Open vessel | 21 | 0.1874 | 0.0088 | 0.1772 | 0.0117 | 0.0062 | 17 | 0.87 | 3% | 0 |
| 036.42 | Sulfur, ICP, Open vessel | 708 | 0.1925 | 0.0110 | 0.1772 | 0.0117 | 0.0062 | 17 | 1.31 | 4% | 0 |
| 036.42 | Sulfur, ICP, Open vessel | 202 | 0.1950 | 0.0100 | 0.1772 | 0.0117 | 0.0062 | 17 | 1.53 | 5% | 0 |
| 036.43 | Sulfur, ICP, Microwave | 588 | 0.1680 | 0.0020 | 0.1853 | 0.0157 | 0.0042 | 11 | -1.10 | 5% | 0 |
| 036.43 | Sulfur, ICP, Microwave | 294 | 0.1700 | 0.0000 | 0.1853 | 0.0157 | 0.0042 | 11 | -0.97 | 4% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|-------------------------|----------|----------|---------|---------------|---------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 036.43 | Sulfur, ICP, Microwave | 353 | 0.1700 | 0.0000 | 0.1853 | 0.0157 | 0.0042 | 11 | -0.97 | 4% | 0 |
| 036.43 | Sulfur, ICP, Microwave | 870 | 0.1784 | 0.0011 | 0.1853 | 0.0157 | 0.0042 | 11 | -0.44 | 2% | 0 |
| 036.43 | Sulfur, ICP, Microwave | 510 | 0.1800 | 0.0000 | 0.1853 | 0.0157 | 0.0042 | 11 | -0.33 | 1% | 0 |
| 036.43 | Sulfur, ICP, Microwave | 508 | 0.1805 | 0.0021 | 0.1853 | 0.0157 | 0.0042 | 11 | -0.31 | 1% | 0 |
| 036.43 | Sulfur, ICP, Microwave | 38 | 0.1900 | 0.0120 | 0.1853 | 0.0157 | 0.0042 | 11 | 0.30 | 1% | 0 |
| 036.43 | Sulfur, ICP, Microwave | 297 | 0.1900 | 0.0000 | 0.1853 | 0.0157 | 0.0042 | 11 | 0.30 | 1% | 0 |
| 036.43 | Sulfur, ICP, Microwave | 345 | 0.2045 | 0.0110 | 0.1853 | 0.0157 | 0.0042 | 11 | 1.22 | 5% | 0 |
| 036.43 | Sulfur, ICP, Microwave | 169 | 0.2250 | 0.0100 | 0.1853 | 0.0157 | 0.0042 | 11 | 2.52 | 11% | 0 |
| 036.43 | Sulfur, ICP, Microwave | 42 | 0.3220 | 0.0080 | 0.1853 | 0.0157 | 0.0042 | 11 | 8.69 | 37% | 0 |
| 036.99 | Sulfur, Miscellaneous | 550 | 0.2065 | 0.0230 | | | 0.0230 | 1 | | | |
| 037.31 | Zinc, AAS, Dry ash | 591 | 44.4500 | 0.3000 | 76.2043 | 10.9915 | 3.9604 | 18 | -2.89 | 21% | 0 |
| 037.31 | Zinc, AAS, Dry ash | 596 | 56.5000 | 9.0000 | 76.2043 | 10.9915 | 3.9604 | 18 | -1.79 | 13% | 0 |
| 037.31 | Zinc, AAS, Dry ash | 590 | 67.2500 | 7.1000 | 76.2043 | 10.9915 | 3.9604 | 18 | -0.81 | 6% | 0 |
| 037.31 | Zinc, AAS, Dry ash | 731 | 68.0500 | 1.9000 | 76.2043 | 10.9915 | 3.9604 | 18 | -0.74 | 5% | 0 |
| 037.31 | Zinc, AAS, Dry ash | 350 | 70.0000 | 0.0000 | 76.2043 | 10.9915 | 3.9604 | 18 | -0.56 | 4% | 0 |
| 037.31 | Zinc, AAS, Dry ash | 354 | 70.0800 | 0.3800 | 76.2043 | 10.9915 | 3.9604 | 18 | -0.56 | 4% | 0 |
| 037.31 | Zinc, AAS, Dry ash | 689 | 72.4500 | 4.9000 | 76.2043 | 10.9915 | 3.9604 | 18 | -0.34 | 2% | 0 |
| 037.31 | Zinc, AAS, Dry ash | 866 | 74.1650 | 1.1900 | 76.2043 | 10.9915 | 3.9604 | 18 | -0.19 | 1% | 0 |
| 037.31 | Zinc, AAS, Dry ash | 675 | 74.8650 | 5.0700 | 76.2043 | 10.9915 | 3.9604 | 18 | -0.12 | 1% | 0 |
| 037.31 | Zinc, AAS, Dry ash | 874 | 75.3000 | 7.2000 | 76.2043 | 10.9915 | 3.9604 | 18 | -0.08 | 1% | 0 |
| 037.31 | Zinc, AAS, Dry ash | 178 | 78.0000 | 6.0000 | 76.2043 | 10.9915 | 3.9604 | 18 | 0.16 | 1% | 0 |
| 037.31 | Zinc, AAS, Dry ash | 669 | 78.6600 | 3.0000 | 76.2043 | 10.9915 | 3.9604 | 18 | 0.22 | 2% | 0 |
| 037.31 | Zinc, AAS, Dry ash | 175 | 82.5000 | 1.0000 | 76.2043 | 10.9915 | 3.9604 | 18 | 0.57 | 4% | 0 |
| 037.31 | Zinc, AAS, Dry ash | 868 | 83.4000 | 4.8000 | 76.2043 | 10.9915 | 3.9604 | 18 | 0.65 | 5% | 0 |
| 037.31 | Zinc, AAS, Dry ash | 720 | 86.5645 | 0.2470 | 76.2043 | 10.9915 | 3.9604 | 18 | 0.94 | 7% | 0 |
| 037.31 | Zinc, AAS, Dry ash | 208 | 88.6500 | 7.5000 | 76.2043 | 10.9915 | 3.9604 | 18 | 1.13 | 8% | 0 |
| 037.31 | Zinc, AAS, Dry ash | 619 | 92.1500 | 1.7000 | 76.2043 | 10.9915 | 3.9604 | 18 | 1.45 | 10% | 0 |
| 037.31 | Zinc, AAS, Dry ash | 505 | 100.0000 | 10.0000 | 76.2043 | 10.9915 | 3.9604 | 18 | 2.16 | 16% | 0 |
| 037.32 | Zinc, AAS, Open vessel | 722 | 67.7989 | 0.3716 | 92.9200 | 15.6982 | 4.0981 | 6 | -1.60 | 14% | 0 |
| 037.32 | Zinc, AAS, Open vessel | 656 | 83.1150 | 4.0700 | 92.9200 | 15.6982 | 4.0981 | 6 | -0.62 | 5% | 0 |
| 037.32 | Zinc, AAS, Open vessel | 504 | 92.2400 | 13.0400 | 92.9200 | 15.6982 | 4.0981 | 6 | -0.04 | 0% | 0 |
| 037.32 | Zinc, AAS, Open vessel | 35 | 98.5000 | 3.0000 | 92.9200 | 15.6982 | 4.0981 | 6 | 0.36 | 3% | 0 |
| 037.32 | Zinc, AAS, Open vessel | 882 | 106.0237 | 3.1069 | 92.9200 | 15.6982 | 4.0981 | 6 | 0.83 | 7% | 0 |
| 037.32 | Zinc, AAS, Open vessel | 38 | 106.5000 | 1.0000 | 92.9200 | 15.6982 | 4.0981 | 6 | 0.87 | 7% | 0 |
| 037.41 | Zinc, ICP, Dry ash | 598 | 57.5000 | 1.0000 | 80.2016 | 16.1872 | 2.9936 | 29 | -1.40 | 14% | 0 |
| 037.41 | Zinc, ICP, Dry ash | 511 | 58.0000 | 0.0000 | 80.2016 | 16.1872 | 2.9936 | 29 | -1.37 | 14% | 0 |
| 037.41 | Zinc, ICP, Dry ash | 695 | 61.3600 | 0.1400 | 80.2016 | 16.1872 | 2.9936 | 29 | -1.16 | 12% | 0 |
| 037.41 | Zinc, ICP, Dry ash | 629 | 62.0500 | 0.3000 | 80.2016 | 16.1872 | 2.9936 | 29 | -1.12 | 11% | 0 |
| 037.41 | Zinc, ICP, Dry ash | 83 | 66.0000 | 4.0000 | 80.2016 | 16.1872 | 2.9936 | 29 | -0.88 | 9% | 0 |
| 037.41 | Zinc, ICP, Dry ash | 229 | 67.0000 | 2.0000 | 80.2016 | 16.1872 | 2.9936 | 29 | -0.82 | 8% | 0 |
| 037.41 | Zinc, ICP, Dry ash | 26 | 68.3000 | 3.4000 | 80.2016 | 16.1872 | 2.9936 | 29 | -0.74 | 7% | 0 |
| 037.41 | Zinc, ICP, Dry ash | 425 | 68.4500 | 0.7000 | 80.2016 | 16.1872 | 2.9936 | 29 | -0.73 | 7% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|-------------------------|----------|----------|---------|---------------|---------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 037.41 | Zinc, ICP, Dry ash | 171 | 68.5000 | 1.0000 | 80.2016 | 16.1872 | 2.9936 | 29 | -0.72 | 7% | 0 |
| 037.41 | Zinc, ICP, Dry ash | 242 | 72.0000 | 2.0000 | 80.2016 | 16.1872 | 2.9936 | 29 | -0.51 | 5% | 0 |
| 037.41 | Zinc, ICP, Dry ash | 358 | 72.1950 | 4.1500 | 80.2016 | 16.1872 | 2.9936 | 29 | -0.49 | 5% | 0 |
| 037.41 | Zinc, ICP, Dry ash | 300 | 73.9950 | 1.8680 | 80.2016 | 16.1872 | 2.9936 | 29 | -0.38 | 4% | 0 |
| 037.41 | Zinc, ICP, Dry ash | 8 | 75.1301 | 0.0000 | 80.2016 | 16.1872 | 2.9936 | 29 | -0.31 | 3% | 0 |
| 037.41 | Zinc, ICP, Dry ash | 553 | 78.6500 | 1.7000 | 80.2016 | 16.1872 | 2.9936 | 29 | -0.10 | 1% | 0 |
| 037.41 | Zinc, ICP, Dry ash | 100 | 80.5000 | 7.0000 | 80.2016 | 16.1872 | 2.9936 | 29 | 0.02 | 0% | 0 |
| 037.41 | Zinc, ICP, Dry ash | 29 | 81.4550 | 6.9500 | 80.2016 | 16.1872 | 2.9936 | 29 | 0.08 | 1% | 0 |
| 037.41 | Zinc, ICP, Dry ash | 74 | 81.5000 | 13.0000 | 80.2016 | 16.1872 | 2.9936 | 29 | 0.08 | 1% | 0 |
| 037.41 | Zinc, ICP, Dry ash | 682 | 82.7850 | 11.7500 | 80.2016 | 16.1872 | 2.9936 | 29 | 0.16 | 2% | 0 |
| 037.41 | Zinc, ICP, Dry ash | 148 | 86.6000 | 0.6000 | 80.2016 | 16.1872 | 2.9936 | 29 | 0.40 | 4% | 0 |
| 037.41 | Zinc, ICP, Dry ash | 11 | 87.5875 | 1.6050 | 80.2016 | 16.1872 | 2.9936 | 29 | 0.46 | 5% | 0 |
| 037.41 | Zinc, ICP, Dry ash | 520 | 88.5000 | 1.0000 | 80.2016 | 16.1872 | 2.9936 | 29 | 0.51 | 5% | 0 |
| 037.41 | Zinc, ICP, Dry ash | 208 | 92.8500 | 2.7000 | 80.2016 | 16.1872 | 2.9936 | 29 | 0.78 | 8% | 0 |
| 037.41 | Zinc, ICP, Dry ash | 4 | 93.0000 | 4.0000 | 80.2016 | 16.1872 | 2.9936 | 29 | 0.79 | 8% | 0 |
| 037.41 | Zinc, ICP, Dry ash | 226 | 94.5000 | 1.0000 | 80.2016 | 16.1872 | 2.9936 | 29 | 0.88 | 9% | 0 |
| 037.41 | Zinc, ICP, Dry ash | 407 | 95.7250 | 1.8500 | 80.2016 | 16.1872 | 2.9936 | 29 | 0.96 | 10% | 0 |
| 037.41 | Zinc, ICP, Dry ash | 98 | 100.2500 | 10.1000 | 80.2016 | 16.1872 | 2.9936 | 29 | 1.24 | 12% | 0 |
| 037.41 | Zinc, ICP, Dry ash | 265 | 102.5000 | 1.0000 | 80.2016 | 16.1872 | 2.9936 | 29 | 1.38 | 14% | 0 |
| 037.41 | Zinc, ICP, Dry ash | 405 | 109.5000 | 1.0000 | 80.2016 | 16.1872 | 2.9936 | 29 | 1.81 | 18% | 0 |
| 037.41 | Zinc, ICP, Dry ash | 3 | 157.5000 | 1.0000 | 80.2016 | 16.1872 | 2.9936 | 29 | 4.78 | 48% | 0 |
| 037.41 | Zinc, ICP, Dry ash | 550 | 62.6400 | 22.3640 | 80.2016 | 16.1872 | 2.9936 | 29 | -1.08 | 11% | 1 |
| 037.41 | Zinc, ICP, Dry ash | 883 | 313.1250 | 0.3700 | 80.2016 | 16.1872 | 2.9936 | 29 | 14.39 | 145% | 2 |
| 037.42 | Zinc, ICP, Open vessel | 613 | 84.5000 | 7.0000 | 94.2772 | 7.8179 | 3.2995 | 20 | -1.25 | 5% | 0 |
| 037.42 | Zinc, ICP, Open vessel | 616 | 84.7000 | 7.6000 | 94.2772 | 7.8179 | 3.2995 | 20 | -1.23 | 5% | 0 |
| 037.42 | Zinc, ICP, Open vessel | 560 | 85.8000 | 2.2000 | 94.2772 | 7.8179 | 3.2995 | 20 | -1.08 | 4% | 0 |
| 037.42 | Zinc, ICP, Open vessel | 45 | 86.5500 | 2.1000 | 94.2772 | 7.8179 | 3.2995 | 20 | -0.99 | 4% | 0 |
| 037.42 | Zinc, ICP, Open vessel | 160 | 87.8000 | 2.8000 | 94.2772 | 7.8179 | 3.2995 | 20 | -0.83 | 3% | 0 |
| 037.42 | Zinc, ICP, Open vessel | 21 | 89.0950 | 9.3300 | 94.2772 | 7.8179 | 3.2995 | 20 | -0.66 | 3% | 0 |
| 037.42 | Zinc, ICP, Open vessel | 98 | 89.7000 | 10.0000 | 94.2772 | 7.8179 | 3.2995 | 20 | -0.59 | 2% | 0 |
| 037.42 | Zinc, ICP, Open vessel | 190 | 90.3650 | 0.4900 | 94.2772 | 7.8179 | 3.2995 | 20 | -0.50 | 2% | 0 |
| 037.42 | Zinc, ICP, Open vessel | 199 | 92.9500 | 0.5000 | 94.2772 | 7.8179 | 3.2995 | 20 | -0.17 | 1% | 0 |
| 037.42 | Zinc, ICP, Open vessel | 187 | 93.2500 | 2.2200 | 94.2772 | 7.8179 | 3.2995 | 20 | -0.13 | 1% | 0 |
| 037.42 | Zinc, ICP, Open vessel | 186 | 95.0000 | 0.0000 | 94.2772 | 7.8179 | 3.2995 | 20 | 0.09 | 0% | 0 |
| 037.42 | Zinc, ICP, Open vessel | 357 | 95.0000 | 4.0000 | 94.2772 | 7.8179 | 3.2995 | 20 | 0.09 | 0% | 0 |
| 037.42 | Zinc, ICP, Open vessel | 35 | 98.0000 | 2.0000 | 94.2772 | 7.8179 | 3.2995 | 20 | 0.48 | 2% | 0 |
| 037.42 | Zinc, ICP, Open vessel | 366 | 98.0000 | 2.0000 | 94.2772 | 7.8179 | 3.2995 | 20 | 0.48 | 2% | 0 |
| 037.42 | Zinc, ICP, Open vessel | 726 | 98.5350 | 0.2500 | 94.2772 | 7.8179 | 3.2995 | 20 | 0.54 | 2% | 0 |
| 037.42 | Zinc, ICP, Open vessel | 692 | 98.8500 | 6.3000 | 94.2772 | 7.8179 | 3.2995 | 20 | 0.58 | 2% | 0 |
| 037.42 | Zinc, ICP, Open vessel | 37 | 103.5000 | 1.0000 | 94.2772 | 7.8179 | 3.2995 | 20 | 1.18 | 5% | 0 |
| 037.42 | Zinc, ICP, Open vessel | 413 | 104.0000 | 0.0000 | 94.2772 | 7.8179 | 3.2995 | 20 | 1.24 | 5% | 0 |
| 037.42 | Zinc, ICP, Open vessel | 106 | 112.5000 | 3.0000 | 94.2772 | 7.8179 | 3.2995 | 20 | 2.33 | 10% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|-----------------------------------|----------|----------|---------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 037.42 | Zinc, ICP, Open vessel | 309 | 184.0000 | 3.2000 | 94.2772 | 7.8179 | 3.2995 | 20 | 11.48 | 48% | 0 |
| 037.43 | Zinc, ICP, Microwave | 870 | 75.2300 | 1.6000 | 88.5400 | 6.0877 | 2.1488 | 12 | -2.19 | 8% | 0 |
| 037.43 | Zinc, ICP, Microwave | 588 | 82.2700 | 1.0600 | 88.5400 | 6.0877 | 2.1488 | 12 | -1.03 | 4% | 0 |
| 037.43 | Zinc, ICP, Microwave | 294 | 85.2300 | 1.6000 | 88.5400 | 6.0877 | 2.1488 | 12 | -0.54 | 2% | 0 |
| 037.43 | Zinc, ICP, Microwave | 121 | 86.0670 | 0.8820 | 88.5400 | 6.0877 | 2.1488 | 12 | -0.41 | 1% | 0 |
| 037.43 | Zinc, ICP, Microwave | 846 | 86.2700 | 0.0400 | 88.5400 | 6.0877 | 2.1488 | 12 | -0.37 | 1% | 0 |
| 037.43 | Zinc, ICP, Microwave | 353 | 86.3750 | 1.2700 | 88.5400 | 6.0877 | 2.1488 | 12 | -0.36 | 1% | 0 |
| 037.43 | Zinc, ICP, Microwave | 508 | 87.4810 | 2.8340 | 88.5400 | 6.0877 | 2.1488 | 12 | -0.17 | 1% | 0 |
| 037.43 | Zinc, ICP, Microwave | 510 | 89.5000 | 3.0000 | 88.5400 | 6.0877 | 2.1488 | 12 | 0.16 | 1% | 0 |
| 037.43 | Zinc, ICP, Microwave | 169 | 96.9500 | 2.1000 | 88.5400 | 6.0877 | 2.1488 | 12 | 1.38 | 5% | 0 |
| 037.43 | Zinc, ICP, Microwave | 345 | 97.8000 | 5.4000 | 88.5400 | 6.0877 | 2.1488 | 12 | 1.52 | 5% | 0 |
| 037.43 | Zinc, ICP, Microwave | 38 | 104.0000 | 4.0000 | 88.5400 | 6.0877 | 2.1488 | 12 | 2.54 | 9% | 0 |
| 037.43 | Zinc, ICP, Microwave | 42 | 138.0000 | 2.0000 | 88.5400 | 6.0877 | 2.1488 | 12 | 8.12 | 28% | 0 |
| 037.43 | Zinc, ICP, Microwave | 297 | 96.5000 | 13.0000 | 88.5400 | 6.0877 | 2.1488 | 12 | 1.31 | 4% | 1 |
| 037.52 | Zinc, ICP-MS, Open vessel | 154 | 90.0000 | 2.0000 | | | 2.0000 | 1 | | | |
| 037.53 | Zinc, ICP-MS, Microwave | 572 | 85.6000 | 8.4000 | | | 8.4000 | 1 | | | |
| 038.31 | Molybdenum, AAS, Dry ash | 164 | 2.0000 | 0.0000 | | | 0.0000 | 1 | | | |
| 038.34 | Molybdenum, AAS, Graphite furnace | 596 | 0.4820 | 0.0060 | | | 0.0060 | 1 | | | |
| 038.41 | Molybdenum, ICP, Dry ash | 11 | 2.0340 | 0.1220 | 2.0620 | 0.0396 | 0.1910 | 2 | -0.71 | 1% | 0 |
| 038.41 | Molybdenum, ICP, Dry ash | 29 | 2.0900 | 0.2600 | 2.0620 | 0.0396 | 0.1910 | 2 | 0.71 | 1% | 0 |
| 038.42 | Molybdenum, ICP, Open vessel | 560 | 1.1230 | 0.3540 | 1.4810 | 0.4751 | 0.2427 | 3 | -0.75 | 12% | 0 |
| 038.42 | Molybdenum, ICP, Open vessel | 106 | 1.3000 | 0.0000 | 1.4810 | 0.4751 | 0.2427 | 3 | -0.38 | 6% | 0 |
| 038.42 | Molybdenum, ICP, Open vessel | 21 | 2.0200 | 0.3740 | 1.4810 | 0.4751 | 0.2427 | 3 | 1.13 | 18% | 0 |
| 038.43 | Molybdenum, ICP, Microwave | 169 | 0.0000 | 0.0000 | 1.6955 | 1.1430 | 0.2140 | 4 | -1.48 | 50% | 0 |
| 038.43 | Molybdenum, ICP, Microwave | 508 | 2.1320 | 0.7560 | 1.6955 | 1.1430 | 0.2140 | 4 | 0.38 | 13% | 0 |
| 038.43 | Molybdenum, ICP, Microwave | 38 | 2.1500 | 0.1000 | 1.6955 | 1.1430 | 0.2140 | 4 | 0.40 | 13% | 0 |
| 038.43 | Molybdenum, ICP, Microwave | 510 | 2.5000 | 0.0000 | 1.6955 | 1.1430 | 0.2140 | 4 | 0.70 | 24% | 0 |
| 038.52 | Molybdenum, ICP-MS, Open vessel | 154 | 2.5500 | 0.1000 | | | 0.1000 | 1 | | | |
| 039.31 | Nickel, AAS, Dry ash | 164 | 9.8500 | 1.3000 | | | 1.3000 | 1 | | | |
| 039.41 | Nickel, ICP, Dry ash | 11 | 12.3495 | 0.4750 | | | 0.4750 | 1 | | | |
| 039.42 | Nickel, ICP, Open vessel | 560 | 6.2000 | 1.0000 | 9.7200 | 4.9780 | 0.7900 | 2 | -0.71 | 18% | 0 |
| 039.42 | Nickel, ICP, Open vessel | 21 | 13.2400 | 0.5800 | 9.7200 | 4.9780 | 0.7900 | 2 | 0.71 | 18% | 0 |
| 039.43 | Nickel, ICP, Microwave | 508 | 12.5875 | 0.3150 | | | 0.3150 | 1 | | | |
| 039.52 | Nickel, ICP-MS, Open vessel | 154 | 14.1000 | 0.4000 | | | 0.4000 | 1 | | | |
| 040.42 | Barium, ICP, Open vessel | 560 | 6.0000 | 0.1000 | | | 0.1000 | 1 | | | |
| 040.43 | Barium, ICP, Microwave | 508 | 5.8820 | 0.0100 | | | 0.0100 | 1 | | | |
| 041.41 | Vanadium, ICP, Dry ash | 11 | 0.5670 | 0.0230 | | | 0.0230 | 1 | | | |
| 041.43 | Vanadium, ICP, Microwave | 508 | 1.0905 | 0.2950 | | | 0.2950 | 1 | | | |
| 051.00 | Chlortetracycline, Plate | 4 | 46.0000 | 4.0000 | 62.0814 | 4.2927 | 2.0116 | 7 | -3.75 | 13% | 0 |
| 051.00 | Chlortetracycline, Plate | 43 | 58.5000 | 1.6000 | 62.0814 | 4.2927 | 2.0116 | 7 | -0.83 | 3% | 0 |
| 051.00 | Chlortetracycline, Plate | 148 | 60.9900 | 0.7000 | 62.0814 | 4.2927 | 2.0116 | 7 | -0.25 | 1% | 0 |
| 051.00 | Chlortetracycline, Plate | 27 | 62.6000 | 2.4000 | 62.0814 | 4.2927 | 2.0116 | 7 | 0.12 | 0% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|----------------------------------|----------|----------|---------|---------------|---------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 051.00 | Chlortetracycline, Plate | 35 | 63.7500 | 0.9000 | 62.0814 | 4.2927 | 2.0116 | 7 | 0.39 | 1% | 0 |
| 051.00 | Chlortetracycline, Plate | 218 | 65.4340 | 2.4810 | 62.0814 | 4.2927 | 2.0116 | 7 | 0.78 | 3% | 0 |
| 051.00 | Chlortetracycline, Plate | 36 | 67.0000 | 2.0000 | 62.0814 | 4.2927 | 2.0116 | 7 | 1.15 | 4% | 0 |
| 051.00 | Chlortetracycline, Plate | 28 | 59.5000 | 15.0000 | 62.0814 | 4.2927 | 2.0116 | 7 | -0.60 | 2% | 1 |
| 051.03 | Chlortetracycline, HPLC | 1 | 55.2500 | 6.1000 | 66.9337 | 13.4355 | 5.0417 | 6 | -0.87 | 9% | 0 |
| 051.03 | Chlortetracycline, HPLC | 875 | 55.6000 | 2.6000 | 66.9337 | 13.4355 | 5.0417 | 6 | -0.84 | 8% | 0 |
| 051.03 | Chlortetracycline, HPLC | 723 | 62.6000 | 1.0000 | 66.9337 | 13.4355 | 5.0417 | 6 | -0.32 | 3% | 0 |
| 051.03 | Chlortetracycline, HPLC | 38 | 66.4000 | 3.0000 | 66.9337 | 13.4355 | 5.0417 | 6 | -0.04 | 0% | 0 |
| 051.03 | Chlortetracycline, HPLC | 846 | 77.0650 | 1.5300 | 66.9337 | 13.4355 | 5.0417 | 6 | 0.75 | 8% | 0 |
| 051.03 | Chlortetracycline, HPLC | 848 | 102.1800 | 16.0200 | 66.9337 | 13.4355 | 5.0417 | 6 | 2.62 | 26% | 0 |
| 051.99 | Chlortetracycline, Miscellaneous | 160 | 71.7750 | 2.8100 | | | 2.8100 | 1 | | | |
| 073.00 | Oxytetracycline, Plate | 511 | 66.5000 | 5.0000 | | | 5.0000 | 1 | | | |
| 082.00 | Sulfamethazine, | 28 | 0.0066 | 0.0007 | 0.0066 | 0.0001 | 0.0004 | 2 | -0.71 | 0% | 0 |
| 082.00 | Sulfamethazine, | 35 | 0.0067 | 0.0001 | 0.0066 | 0.0001 | 0.0004 | 2 | 0.71 | 0% | 0 |
| 082.01 | Sulfamethazine, HPLC | 848 | 0.0028 | 0.0002 | 0.0060 | 0.0011 | 0.0004 | 8 | -2.82 | 26% | 0 |
| 082.01 | Sulfamethazine, HPLC | 19 | 0.0049 | 0.0006 | 0.0060 | 0.0011 | 0.0004 | 8 | -0.94 | 9% | 0 |
| 082.01 | Sulfamethazine, HPLC | 43 | 0.0055 | 0.0001 | 0.0060 | 0.0011 | 0.0004 | 8 | -0.45 | 4% | 0 |
| 082.01 | Sulfamethazine, HPLC | 4 | 0.0056 | 0.0002 | 0.0060 | 0.0011 | 0.0004 | 8 | -0.31 | 3% | 0 |
| 082.01 | Sulfamethazine, HPLC | 723 | 0.0064 | 0.0002 | 0.0060 | 0.0011 | 0.0004 | 8 | 0.40 | 4% | 0 |
| 082.01 | Sulfamethazine, HPLC | 1 | 0.0065 | 0.0004 | 0.0060 | 0.0011 | 0.0004 | 8 | 0.49 | 5% | 0 |
| 082.01 | Sulfamethazine, HPLC | 846 | 0.0068 | 0.0005 | 0.0060 | 0.0011 | 0.0004 | 8 | 0.72 | 7% | 0 |
| 082.01 | Sulfamethazine, HPLC | 3 | 0.0084 | 0.0008 | 0.0060 | 0.0011 | 0.0004 | 8 | 2.19 | 21% | 0 |
| 082.02 | Sulfamethazine, HPLC-PCD | 27 | 0.0060 | 0.0003 | 20.0047 | 34.6369 | 1.3335 | 3 | -0.58 | 50% | 0 |
| 082.02 | Sulfamethazine, HPLC-PCD | 218 | 0.0082 | 0.0002 | 20.0047 | 34.6369 | 1.3335 | 3 | -0.58 | 50% | 0 |
| 082.02 | Sulfamethazine, HPLC-PCD | 875 | 60.0000 | 4.0000 | 20.0047 | 34.6369 | 1.3335 | 3 | 1.15 | 100% | 0 |
| 104.00 | Riboflavin, Fluorometric | 171 | 3.1900 | 0.4800 | | | 0.4800 | 1 | | | |
| 105.00 | Thiamine, HPLC | 160 | 0.6680 | 0.0780 | | | 0.0780 | 1 | | | |
| 106.00 | Vitamin A, Color | 171 | 22.4000 | 1.4000 | | | 1.4000 | 1 | | | |
| 106.02 | Vitamin A, HPLC | 676 | 3.5500 | 0.3000 | 5.5261 | 0.9857 | 0.3392 | 15 | -2.00 | 18% | 0 |
| 106.02 | Vitamin A, HPLC | 4 | 4.4450 | 0.4100 | 5.5261 | 0.9857 | 0.3392 | 15 | -1.10 | 10% | 0 |
| 106.02 | Vitamin A, HPLC | 227 | 4.5251 | 0.1394 | 5.5261 | 0.9857 | 0.3392 | 15 | -1.02 | 9% | 0 |
| 106.02 | Vitamin A, HPLC | 860 | 4.6050 | 0.5500 | 5.5261 | 0.9857 | 0.3392 | 15 | -0.93 | 8% | 0 |
| 106.02 | Vitamin A, HPLC | 560 | 5.2550 | 0.0300 | 5.5261 | 0.9857 | 0.3392 | 15 | -0.28 | 2% | 0 |
| 106.02 | Vitamin A, HPLC | 160 | 5.3095 | 0.4590 | 5.5261 | 0.9857 | 0.3392 | 15 | -0.22 | 2% | 0 |
| 106.02 | Vitamin A, HPLC | 3 | 5.3250 | 0.0700 | 5.5261 | 0.9857 | 0.3392 | 15 | -0.20 | 2% | 0 |
| 106.02 | Vitamin A, HPLC | 610 | 5.5100 | 1.5000 | 5.5261 | 0.9857 | 0.3392 | 15 | -0.02 | 0% | 0 |
| 106.02 | Vitamin A, HPLC | 848 | 5.6050 | 0.1300 | 5.5261 | 0.9857 | 0.3392 | 15 | 0.08 | 1% | 0 |
| 106.02 | Vitamin A, HPLC | 169 | 5.6500 | 0.1000 | 5.5261 | 0.9857 | 0.3392 | 15 | 0.13 | 1% | 0 |
| 106.02 | Vitamin A, HPLC | 675 | 5.8700 | 0.2600 | 5.5261 | 0.9857 | 0.3392 | 15 | 0.35 | 3% | 0 |
| 106.02 | Vitamin A, HPLC | 21 | 6.1050 | 0.5300 | 5.5261 | 0.9857 | 0.3392 | 15 | 0.59 | 5% | 0 |
| 106.02 | Vitamin A, HPLC | 208 | 7.4850 | 0.4100 | 5.5261 | 0.9857 | 0.3392 | 15 | 1.99 | 18% | 0 |
| 106.02 | Vitamin A, HPLC | 199 | 7.5000 | 0.2000 | 5.5261 | 0.9857 | 0.3392 | 15 | 2.00 | 18% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|----------------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 106.02 | Vitamin A, HPLC | 8 | 10.5240 | 0.0000 | 5.5261 | 0.9857 | 0.3392 | 15 | 5.07 | 45% | 0 |
| 106.02 | Vitamin A, HPLC | 670 | 7.1850 | 4.6700 | 5.5261 | 0.9857 | 0.3392 | 15 | 1.68 | 15% | 1 |
| 108.02 | Vitamin D, HPLC | 675 | 0.4400 | 0.0800 | 0.5417 | 0.0884 | 0.0367 | 3 | -1.15 | 9% | 0 |
| 108.02 | Vitamin D, HPLC | 208 | 0.5850 | 0.0300 | 0.5417 | 0.0884 | 0.0367 | 3 | 0.49 | 4% | 0 |
| 108.02 | Vitamin D, HPLC | 676 | 0.6000 | 0.0000 | 0.5417 | 0.0884 | 0.0367 | 3 | 0.66 | 5% | 0 |
| 109.02 | Vitamin E, HPLC | 208 | 0.0000 | 0.0000 | 7.3620 | 5.8551 | 0.2040 | 5 | -1.26 | 50% | 0 |
| 109.02 | Vitamin E, HPLC | 675 | 2.7400 | 0.1000 | 7.3620 | 5.8551 | 0.2040 | 5 | -0.79 | 31% | 0 |
| 109.02 | Vitamin E, HPLC | 199 | 9.0500 | 0.1000 | 7.3620 | 5.8551 | 0.2040 | 5 | 0.29 | 11% | 0 |
| 109.02 | Vitamin E, HPLC | 676 | 10.8200 | 0.4200 | 7.3620 | 5.8551 | 0.2040 | 5 | 0.59 | 23% | 0 |
| 109.02 | Vitamin E, HPLC | 560 | 14.2000 | 0.4000 | 7.3620 | 5.8551 | 0.2040 | 5 | 1.17 | 46% | 0 |
| 109.02 | Vitamin E, HPLC | 610 | 16.4000 | 1.8000 | 7.3620 | 5.8551 | 0.2040 | 5 | 1.54 | 61% | 1 |
| 120.00 | Alanine, Post-col Ninhydrin Der | 684 | 0.5015 | 0.0050 | 0.5617 | 0.0402 | 0.0177 | 15 | -1.50 | 5% | 0 |
| 120.00 | Alanine, Post-col Ninhydrin Der | 859 | 0.5160 | 0.0040 | 0.5617 | 0.0402 | 0.0177 | 15 | -1.14 | 4% | 0 |
| 120.00 | Alanine, Post-col Ninhydrin Der | 675 | 0.5200 | 0.0200 | 0.5617 | 0.0402 | 0.0177 | 15 | -1.04 | 4% | 0 |
| 120.00 | Alanine, Post-col Ninhydrin Der | 644 | 0.5215 | 0.0310 | 0.5617 | 0.0402 | 0.0177 | 15 | -1.00 | 4% | 0 |
| 120.00 | Alanine, Post-col Ninhydrin Der | 868 | 0.5425 | 0.0630 | 0.5617 | 0.0402 | 0.0177 | 15 | -0.48 | 2% | 0 |
| 120.00 | Alanine, Post-col Ninhydrin Der | 652 | 0.5450 | 0.0100 | 0.5617 | 0.0402 | 0.0177 | 15 | -0.42 | 1% | 0 |
| 120.00 | Alanine, Post-col Ninhydrin Der | 619 | 0.5460 | 0.0040 | 0.5617 | 0.0402 | 0.0177 | 15 | -0.39 | 1% | 0 |
| 120.00 | Alanine, Post-col Ninhydrin Der | 504 | 0.5650 | 0.0500 | 0.5617 | 0.0402 | 0.0177 | 15 | 0.08 | 0% | 0 |
| 120.00 | Alanine, Post-col Ninhydrin Der | 571 | 0.5735 | 0.0090 | 0.5617 | 0.0402 | 0.0177 | 15 | 0.29 | 1% | 0 |
| 120.00 | Alanine, Post-col Ninhydrin Der | 872 | 0.5750 | 0.0080 | 0.5617 | 0.0402 | 0.0177 | 15 | 0.33 | 1% | 0 |
| 120.00 | Alanine, Post-col Ninhydrin Der | 878 | 0.5845 | 0.0050 | 0.5617 | 0.0402 | 0.0177 | 15 | 0.57 | 2% | 0 |
| 120.00 | Alanine, Post-col Ninhydrin Der | 350 | 0.5870 | 0.0040 | 0.5617 | 0.0402 | 0.0177 | 15 | 0.63 | 2% | 0 |
| 120.00 | Alanine, Post-col Ninhydrin Der | 676 | 0.6050 | 0.0100 | 0.5617 | 0.0402 | 0.0177 | 15 | 1.08 | 4% | 0 |
| 120.00 | Alanine, Post-col Ninhydrin Der | 160 | 0.6444 | 0.0344 | 0.5617 | 0.0402 | 0.0177 | 15 | 2.06 | 7% | 0 |
| 120.00 | Alanine, Post-col Ninhydrin Der | 883 | 1.0990 | 0.0080 | 0.5617 | 0.0402 | 0.0177 | 15 | 13.37 | 48% | 0 |
| 120.05 | Alanine, Pre-col AQC Der | 626 | 0.5055 | 0.0250 | 0.5365 | 0.0298 | 0.0270 | 3 | -1.04 | 3% | 0 |
| 120.05 | Alanine, Pre-col AQC Der | 38 | 0.5390 | 0.0460 | 0.5365 | 0.0298 | 0.0270 | 3 | 0.08 | 0% | 0 |
| 120.05 | Alanine, Pre-col AQC Der | 668 | 0.5650 | 0.0100 | 0.5365 | 0.0298 | 0.0270 | 3 | 0.96 | 3% | 0 |
| 120.99 | Alanine, Miscellaneous | 871 | 0.5900 | 0.0000 | | | 0.0000 | 1 | | | |
| 121.00 | Arginine, Post-col Ninhydrin Der | 684 | 0.4965 | 0.0250 | 0.5886 | 0.0456 | 0.0181 | 15 | -2.02 | 8% | 0 |
| 121.00 | Arginine, Post-col Ninhydrin Der | 868 | 0.5000 | 0.0700 | 0.5886 | 0.0456 | 0.0181 | 15 | -1.94 | 8% | 0 |
| 121.00 | Arginine, Post-col Ninhydrin Der | 675 | 0.5450 | 0.0100 | 0.5886 | 0.0456 | 0.0181 | 15 | -0.96 | 4% | 0 |
| 121.00 | Arginine, Post-col Ninhydrin Der | 652 | 0.5600 | 0.0000 | 0.5886 | 0.0456 | 0.0181 | 15 | -0.63 | 2% | 0 |
| 121.00 | Arginine, Post-col Ninhydrin Der | 504 | 0.5700 | 0.0600 | 0.5886 | 0.0456 | 0.0181 | 15 | -0.41 | 2% | 0 |
| 121.00 | Arginine, Post-col Ninhydrin Der | 619 | 0.5725 | 0.0030 | 0.5886 | 0.0456 | 0.0181 | 15 | -0.35 | 1% | 0 |
| 121.00 | Arginine, Post-col Ninhydrin Der | 644 | 0.5785 | 0.0410 | 0.5886 | 0.0456 | 0.0181 | 15 | -0.22 | 1% | 0 |
| 121.00 | Arginine, Post-col Ninhydrin Der | 878 | 0.5865 | 0.0090 | 0.5886 | 0.0456 | 0.0181 | 15 | -0.05 | 0% | 0 |
| 121.00 | Arginine, Post-col Ninhydrin Der | 872 | 0.5900 | 0.0040 | 0.5886 | 0.0456 | 0.0181 | 15 | 0.03 | 0% | 0 |
| 121.00 | Arginine, Post-col Ninhydrin Der | 571 | 0.5965 | 0.0110 | 0.5886 | 0.0456 | 0.0181 | 15 | 0.17 | 1% | 0 |
| 121.00 | Arginine, Post-col Ninhydrin Der | 350 | 0.6120 | 0.0000 | 0.5886 | 0.0456 | 0.0181 | 15 | 0.51 | 2% | 0 |
| 121.00 | Arginine, Post-col Ninhydrin Der | 676 | 0.6260 | 0.0100 | 0.5886 | 0.0456 | 0.0181 | 15 | 0.82 | 3% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|--------------------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 121.00 | Arginine, Post-col Ninhydrin Der | 160 | 0.6612 | 0.0028 | 0.5886 | 0.0456 | 0.0181 | 15 | 1.59 | 6% | 0 |
| 121.00 | Arginine, Post-col Ninhydrin Der | 859 | 0.7640 | 0.0060 | 0.5886 | 0.0456 | 0.0181 | 15 | 3.85 | 15% | 0 |
| 121.00 | Arginine, Post-col Ninhydrin Der | 883 | 1.3340 | 0.0200 | 0.5886 | 0.0456 | 0.0181 | 15 | 16.36 | 63% | 0 |
| 121.05 | Arginine, Pre-col AQC Der | 626 | 0.5975 | 0.0410 | 0.6067 | 0.0088 | 0.0633 | 3 | -1.04 | 1% | 0 |
| 121.05 | Arginine, Pre-col AQC Der | 38 | 0.6075 | 0.0590 | 0.6067 | 0.0088 | 0.0633 | 3 | 0.09 | 0% | 0 |
| 121.05 | Arginine, Pre-col AQC Der | 668 | 0.6150 | 0.0900 | 0.6067 | 0.0088 | 0.0633 | 3 | 0.95 | 1% | 0 |
| 121.99 | Arginine, Miscellaneous | 871 | 0.5100 | 0.0000 | | | 0.0000 | 1 | | | |
| 122.00 | Aspartic, Post-col Ninhydrin Der | 868 | 0.7465 | 0.0930 | 0.8524 | 0.0672 | 0.0268 | 14 | -1.58 | 6% | 0 |
| 122.00 | Aspartic, Post-col Ninhydrin Der | 684 | 0.7650 | 0.0300 | 0.8524 | 0.0672 | 0.0268 | 14 | -1.30 | 5% | 0 |
| 122.00 | Aspartic, Post-col Ninhydrin Der | 859 | 0.7730 | 0.0060 | 0.8524 | 0.0672 | 0.0268 | 14 | -1.18 | 5% | 0 |
| 122.00 | Aspartic, Post-col Ninhydrin Der | 652 | 0.8100 | 0.0200 | 0.8524 | 0.0672 | 0.0268 | 14 | -0.63 | 2% | 0 |
| 122.00 | Aspartic, Post-col Ninhydrin Der | 644 | 0.8270 | 0.0620 | 0.8524 | 0.0672 | 0.0268 | 14 | -0.38 | 1% | 0 |
| 122.00 | Aspartic, Post-col Ninhydrin Der | 504 | 0.8400 | 0.0800 | 0.8524 | 0.0672 | 0.0268 | 14 | -0.18 | 1% | 0 |
| 122.00 | Aspartic, Post-col Ninhydrin Der | 619 | 0.8420 | 0.0120 | 0.8524 | 0.0672 | 0.0268 | 14 | -0.15 | 1% | 0 |
| 122.00 | Aspartic, Post-col Ninhydrin Der | 872 | 0.8710 | 0.0060 | 0.8524 | 0.0672 | 0.0268 | 14 | 0.28 | 1% | 0 |
| 122.00 | Aspartic, Post-col Ninhydrin Der | 571 | 0.8755 | 0.0130 | 0.8524 | 0.0672 | 0.0268 | 14 | 0.34 | 1% | 0 |
| 122.00 | Aspartic, Post-col Ninhydrin Der | 878 | 0.8765 | 0.0090 | 0.8524 | 0.0672 | 0.0268 | 14 | 0.36 | 1% | 0 |
| 122.00 | Aspartic, Post-col Ninhydrin Der | 676 | 0.8925 | 0.0290 | 0.8524 | 0.0672 | 0.0268 | 14 | 0.60 | 2% | 0 |
| 122.00 | Aspartic, Post-col Ninhydrin Der | 350 | 0.9000 | 0.0040 | 0.8524 | 0.0672 | 0.0268 | 14 | 0.71 | 3% | 0 |
| 122.00 | Aspartic, Post-col Ninhydrin Der | 160 | 1.0211 | 0.0086 | 0.8524 | 0.0672 | 0.0268 | 14 | 2.51 | 10% | 0 |
| 122.00 | Aspartic, Post-col Ninhydrin Der | 883 | 2.0925 | 0.0030 | 0.8524 | 0.0672 | 0.0268 | 14 | 18.45 | 73% | 0 |
| 122.05 | Aspartic, Pre-col AQC Der | 38 | 0.8310 | 0.1300 | 0.8812 | 0.0495 | 0.0750 | 3 | -1.01 | 3% | 0 |
| 122.05 | Aspartic, Pre-col AQC Der | 626 | 0.8825 | 0.0750 | 0.8812 | 0.0495 | 0.0750 | 3 | 0.03 | 0% | 0 |
| 122.05 | Aspartic, Pre-col AQC Der | 668 | 0.9300 | 0.0200 | 0.8812 | 0.0495 | 0.0750 | 3 | 0.99 | 3% | 0 |
| 122.99 | Aspartic, Miscellaneous | 871 | 1.0600 | 0.0000 | | | 0.0000 | 1 | | | |
| 123.99 | Glutamic Acid, Miscellaneous | 871 | 1.7200 | 0.0000 | | | 0.0000 | 1 | | | |
| 124.00 | Cysteine/Cystine, PAO Post-col Ninhy | 644 | 0.1500 | 0.0020 | 0.1751 | 0.0071 | 0.0060 | 13 | -3.54 | 7% | 0 |
| 124.00 | Cysteine/Cystine, PAO Post-col Ninhy | 859 | 0.1685 | 0.0010 | 0.1751 | 0.0071 | 0.0060 | 13 | -0.93 | 2% | 0 |
| 124.00 | Cysteine/Cystine, PAO Post-col Ninhy | 504 | 0.1700 | 0.0200 | 0.1751 | 0.0071 | 0.0060 | 13 | -0.72 | 1% | 0 |
| 124.00 | Cysteine/Cystine, PAO Post-col Ninhy | 652 | 0.1700 | 0.0000 | 0.1751 | 0.0071 | 0.0060 | 13 | -0.72 | 1% | 0 |
| 124.00 | Cysteine/Cystine, PAO Post-col Ninhy | 872 | 0.1720 | 0.0060 | 0.1751 | 0.0071 | 0.0060 | 13 | -0.43 | 1% | 0 |
| 124.00 | Cysteine/Cystine, PAO Post-col Ninhy | 619 | 0.1735 | 0.0010 | 0.1751 | 0.0071 | 0.0060 | 13 | -0.22 | 0% | 0 |
| 124.00 | Cysteine/Cystine, PAO Post-col Ninhy | 684 | 0.1735 | 0.0010 | 0.1751 | 0.0071 | 0.0060 | 13 | -0.22 | 0% | 0 |
| 124.00 | Cysteine/Cystine, PAO Post-col Ninhy | 571 | 0.1755 | 0.0010 | 0.1751 | 0.0071 | 0.0060 | 13 | 0.06 | 0% | 0 |
| 124.00 | Cysteine/Cystine, PAO Post-col Ninhy | 350 | 0.1780 | 0.0020 | 0.1751 | 0.0071 | 0.0060 | 13 | 0.41 | 1% | 0 |
| 124.00 | Cysteine/Cystine, PAO Post-col Ninhy | 675 | 0.1800 | 0.0000 | 0.1751 | 0.0071 | 0.0060 | 13 | 0.69 | 1% | 0 |
| 124.00 | Cysteine/Cystine, PAO Post-col Ninhy | 878 | 0.1840 | 0.0040 | 0.1751 | 0.0071 | 0.0060 | 13 | 1.26 | 3% | 0 |
| 124.00 | Cysteine/Cystine, PAO Post-col Ninhy | 883 | 0.3475 | 0.0090 | 0.1751 | 0.0071 | 0.0060 | 13 | 24.33 | 49% | 0 |
| 124.00 | Cysteine/Cystine, PAO Post-col Ninhy | 868 | 0.4005 | 0.0310 | 0.1751 | 0.0071 | 0.0060 | 13 | 31.81 | 64% | 0 |
| 124.00 | Cysteine/Cystine, PAO Post-col Ninhy | 160 | 0.3212 | 0.0607 | 0.1751 | 0.0071 | 0.0060 | 13 | 20.61 | 42% | 1 |
| 124.02 | Cysteine/Cystine, PAO Post-col OPA | 676 | 0.1850 | 0.0080 | | | 0.0080 | 1 | | | |
| 124.05 | Cysteine/Cystine, PAO Pre-col AQC D | 38 | 0.2265 | 0.1530 | | | 0.1530 | 1 | | | |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|-----------------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 124.99 | Cysteine/Cystine, Miscellaneous | 871 | 0.1850 | 0.0100 | | | 0.0100 | 1 | | | |
| 125.00 | Glutamic, Post-col Ninhydrin Der | 684 | 1.3970 | 0.0680 | 1.5146 | 0.0824 | 0.0402 | 13 | -1.43 | 4% | 0 |
| 125.00 | Glutamic, Post-col Ninhydrin Der | 652 | 1.4150 | 0.0300 | 1.5146 | 0.0824 | 0.0402 | 13 | -1.21 | 3% | 0 |
| 125.00 | Glutamic, Post-col Ninhydrin Der | 644 | 1.4510 | 0.1120 | 1.5146 | 0.0824 | 0.0402 | 13 | -0.77 | 2% | 0 |
| 125.00 | Glutamic, Post-col Ninhydrin Der | 859 | 1.4520 | 0.0100 | 1.5146 | 0.0824 | 0.0402 | 13 | -0.76 | 2% | 0 |
| 125.00 | Glutamic, Post-col Ninhydrin Der | 504 | 1.4650 | 0.1100 | 1.5146 | 0.0824 | 0.0402 | 13 | -0.60 | 2% | 0 |
| 125.00 | Glutamic, Post-col Ninhydrin Der | 675 | 1.5000 | 0.0400 | 1.5146 | 0.0824 | 0.0402 | 13 | -0.18 | 0% | 0 |
| 125.00 | Glutamic, Post-col Ninhydrin Der | 160 | 1.5350 | 0.0233 | 1.5146 | 0.0824 | 0.0402 | 13 | 0.25 | 1% | 0 |
| 125.00 | Glutamic, Post-col Ninhydrin Der | 571 | 1.5500 | 0.0200 | 1.5146 | 0.0824 | 0.0402 | 13 | 0.43 | 1% | 0 |
| 125.00 | Glutamic, Post-col Ninhydrin Der | 619 | 1.5600 | 0.0200 | 1.5146 | 0.0824 | 0.0402 | 13 | 0.55 | 1% | 0 |
| 125.00 | Glutamic, Post-col Ninhydrin Der | 878 | 1.5655 | 0.0050 | 1.5146 | 0.0824 | 0.0402 | 13 | 0.62 | 2% | 0 |
| 125.00 | Glutamic, Post-col Ninhydrin Der | 872 | 1.5760 | 0.0220 | 1.5146 | 0.0824 | 0.0402 | 13 | 0.75 | 2% | 0 |
| 125.00 | Glutamic, Post-col Ninhydrin Der | 350 | 1.6020 | 0.0120 | 1.5146 | 0.0824 | 0.0402 | 13 | 1.06 | 3% | 0 |
| 125.00 | Glutamic, Post-col Ninhydrin Der | 676 | 1.6210 | 0.0500 | 1.5146 | 0.0824 | 0.0402 | 13 | 1.29 | 4% | 0 |
| 125.00 | Glutamic, Post-col Ninhydrin Der | 868 | 1.5750 | 0.2100 | 1.5146 | 0.0824 | 0.0402 | 13 | 0.73 | 2% | 1 |
| 125.00 | Glutamic, Post-col Ninhydrin Der | 883 | 3.8250 | 0.0080 | 1.5146 | 0.0824 | 0.0402 | 13 | 28.02 | 76% | 2 |
| 125.05 | Glutamic, Pre-col AQC Der | 626 | 1.4165 | 0.1030 | 1.4822 | 0.0603 | 0.1077 | 3 | -1.09 | 2% | 0 |
| 125.05 | Glutamic, Pre-col AQC Der | 38 | 1.4950 | 0.1700 | 1.4822 | 0.0603 | 0.1077 | 3 | 0.21 | 0% | 0 |
| 125.05 | Glutamic, Pre-col AQC Der | 668 | 1.5350 | 0.0500 | 1.4822 | 0.0603 | 0.1077 | 3 | 0.88 | 2% | 0 |
| 126.00 | Glycine, Post-col Ninhydrin Der | 684 | 0.4190 | 0.0020 | 0.4659 | 0.0344 | 0.0148 | 13 | -1.36 | 5% | 0 |
| 126.00 | Glycine, Post-col Ninhydrin Der | 868 | 0.4240 | 0.0480 | 0.4659 | 0.0344 | 0.0148 | 13 | -1.22 | 4% | 0 |
| 126.00 | Glycine, Post-col Ninhydrin Der | 859 | 0.4370 | 0.0040 | 0.4659 | 0.0344 | 0.0148 | 13 | -0.84 | 3% | 0 |
| 126.00 | Glycine, Post-col Ninhydrin Der | 644 | 0.4405 | 0.0230 | 0.4659 | 0.0344 | 0.0148 | 13 | -0.74 | 3% | 0 |
| 126.00 | Glycine, Post-col Ninhydrin Der | 652 | 0.4500 | 0.0200 | 0.4659 | 0.0344 | 0.0148 | 13 | -0.46 | 2% | 0 |
| 126.00 | Glycine, Post-col Ninhydrin Der | 619 | 0.4615 | 0.0010 | 0.4659 | 0.0344 | 0.0148 | 13 | -0.13 | 0% | 0 |
| 126.00 | Glycine, Post-col Ninhydrin Der | 675 | 0.4650 | 0.0100 | 0.4659 | 0.0344 | 0.0148 | 13 | -0.03 | 0% | 0 |
| 126.00 | Glycine, Post-col Ninhydrin Der | 504 | 0.4800 | 0.0400 | 0.4659 | 0.0344 | 0.0148 | 13 | 0.41 | 2% | 0 |
| 126.00 | Glycine, Post-col Ninhydrin Der | 571 | 0.4840 | 0.0080 | 0.4659 | 0.0344 | 0.0148 | 13 | 0.53 | 2% | 0 |
| 126.00 | Glycine, Post-col Ninhydrin Der | 872 | 0.4895 | 0.0050 | 0.4659 | 0.0344 | 0.0148 | 13 | 0.69 | 3% | 0 |
| 126.00 | Glycine, Post-col Ninhydrin Der | 878 | 0.4935 | 0.0050 | 0.4659 | 0.0344 | 0.0148 | 13 | 0.80 | 3% | 0 |
| 126.00 | Glycine, Post-col Ninhydrin Der | 350 | 0.4950 | 0.0020 | 0.4659 | 0.0344 | 0.0148 | 13 | 0.85 | 3% | 0 |
| 126.00 | Glycine, Post-col Ninhydrin Der | 676 | 0.5200 | 0.0240 | 0.4659 | 0.0344 | 0.0148 | 13 | 1.57 | 6% | 0 |
| 126.00 | Glycine, Post-col Ninhydrin Der | 160 | 0.4983 | 0.0975 | 0.4659 | 0.0344 | 0.0148 | 13 | 0.94 | 3% | 1 |
| 126.00 | Glycine, Post-col Ninhydrin Der | 883 | 1.1510 | 0.0100 | 0.4659 | 0.0344 | 0.0148 | 13 | 19.89 | 74% | 2 |
| 126.05 | Glycine, Pre-col AQC Der | 668 | 0.4300 | 0.0400 | 0.4645 | 0.0306 | 0.0363 | 3 | -1.13 | 4% | 0 |
| 126.05 | Glycine, Pre-col AQC Der | 38 | 0.4750 | 0.0340 | 0.4645 | 0.0306 | 0.0363 | 3 | 0.34 | 1% | 0 |
| 126.05 | Glycine, Pre-col AQC Der | 626 | 0.4885 | 0.0350 | 0.4645 | 0.0306 | 0.0363 | 3 | 0.78 | 3% | 0 |
| 126.99 | Glycine, Miscellaneous | 871 | 0.4900 | 0.0000 | | | 0.0000 | 1 | | | |
| 127.00 | Histidine, Post-col Ninhydrin Der | 684 | 0.2110 | 0.0020 | 0.2569 | 0.0217 | 0.0129 | 15 | -2.12 | 9% | 0 |
| 127.00 | Histidine, Post-col Ninhydrin Der | 868 | 0.2205 | 0.0270 | 0.2569 | 0.0217 | 0.0129 | 15 | -1.68 | 7% | 0 |
| 127.00 | Histidine, Post-col Ninhydrin Der | 859 | 0.2350 | 0.0020 | 0.2569 | 0.0217 | 0.0129 | 15 | -1.01 | 4% | 0 |
| 127.00 | Histidine, Post-col Ninhydrin Der | 504 | 0.2450 | 0.0300 | 0.2569 | 0.0217 | 0.0129 | 15 | -0.55 | 2% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|------------------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 127.00 | Histidine, Post-col Ninhydrin Der | 619 | 0.2455 | 0.0010 | 0.2569 | 0.0217 | 0.0129 | 15 | -0.53 | 2% | 0 |
| 127.00 | Histidine, Post-col Ninhydrin Der | 675 | 0.2500 | 0.0200 | 0.2569 | 0.0217 | 0.0129 | 15 | -0.32 | 1% | 0 |
| 127.00 | Histidine, Post-col Ninhydrin Der | 644 | 0.2505 | 0.0210 | 0.2569 | 0.0217 | 0.0129 | 15 | -0.29 | 1% | 0 |
| 127.00 | Histidine, Post-col Ninhydrin Der | 652 | 0.2550 | 0.0100 | 0.2569 | 0.0217 | 0.0129 | 15 | -0.09 | 0% | 0 |
| 127.00 | Histidine, Post-col Ninhydrin Der | 872 | 0.2635 | 0.0070 | 0.2569 | 0.0217 | 0.0129 | 15 | 0.31 | 1% | 0 |
| 127.00 | Histidine, Post-col Ninhydrin Der | 571 | 0.2660 | 0.0100 | 0.2569 | 0.0217 | 0.0129 | 15 | 0.42 | 2% | 0 |
| 127.00 | Histidine, Post-col Ninhydrin Der | 350 | 0.2675 | 0.0050 | 0.2569 | 0.0217 | 0.0129 | 15 | 0.49 | 2% | 0 |
| 127.00 | Histidine, Post-col Ninhydrin Der | 878 | 0.2725 | 0.0010 | 0.2569 | 0.0217 | 0.0129 | 15 | 0.72 | 3% | 0 |
| 127.00 | Histidine, Post-col Ninhydrin Der | 676 | 0.3340 | 0.0160 | 0.2569 | 0.0217 | 0.0129 | 15 | 3.56 | 15% | 0 |
| 127.00 | Histidine, Post-col Ninhydrin Der | 160 | 0.3463 | 0.0285 | 0.2569 | 0.0217 | 0.0129 | 15 | 4.13 | 17% | 0 |
| 127.00 | Histidine, Post-col Ninhydrin Der | 883 | 0.5585 | 0.0130 | 0.2569 | 0.0217 | 0.0129 | 15 | 13.93 | 59% | 0 |
| 127.05 | Histidine, Pre-col AQC Der | 38 | 0.2450 | 0.0340 | 0.2655 | 0.0262 | 0.0283 | 3 | -0.78 | 4% | 0 |
| 127.05 | Histidine, Pre-col AQC Der | 626 | 0.2565 | 0.0210 | 0.2655 | 0.0262 | 0.0283 | 3 | -0.34 | 2% | 0 |
| 127.05 | Histidine, Pre-col AQC Der | 668 | 0.2950 | 0.0300 | 0.2655 | 0.0262 | 0.0283 | 3 | 1.13 | 6% | 0 |
| 127.99 | Histidine, Miscellaneous | 871 | 0.2700 | 0.0000 | | | 0.0000 | 1 | | | |
| 128.00 | Isoleucine, Post-col Ninhydrin Der | 868 | 0.3010 | 0.0400 | 0.3424 | 0.0324 | 0.0126 | 14 | -1.28 | 6% | 0 |
| 128.00 | Isoleucine, Post-col Ninhydrin Der | 675 | 0.3050 | 0.0100 | 0.3424 | 0.0324 | 0.0126 | 14 | -1.15 | 5% | 0 |
| 128.00 | Isoleucine, Post-col Ninhydrin Der | 684 | 0.3070 | 0.0240 | 0.3424 | 0.0324 | 0.0126 | 14 | -1.09 | 5% | 0 |
| 128.00 | Isoleucine, Post-col Ninhydrin Der | 859 | 0.3235 | 0.0010 | 0.3424 | 0.0324 | 0.0126 | 14 | -0.58 | 3% | 0 |
| 128.00 | Isoleucine, Post-col Ninhydrin Der | 652 | 0.3250 | 0.0100 | 0.3424 | 0.0324 | 0.0126 | 14 | -0.54 | 3% | 0 |
| 128.00 | Isoleucine, Post-col Ninhydrin Der | 878 | 0.3310 | 0.0000 | 0.3424 | 0.0324 | 0.0126 | 14 | -0.35 | 2% | 0 |
| 128.00 | Isoleucine, Post-col Ninhydrin Der | 644 | 0.3320 | 0.0280 | 0.3424 | 0.0324 | 0.0126 | 14 | -0.32 | 2% | 0 |
| 128.00 | Isoleucine, Post-col Ninhydrin Der | 619 | 0.3515 | 0.0030 | 0.3424 | 0.0324 | 0.0126 | 14 | 0.28 | 1% | 0 |
| 128.00 | Isoleucine, Post-col Ninhydrin Der | 350 | 0.3540 | 0.0040 | 0.3424 | 0.0324 | 0.0126 | 14 | 0.36 | 2% | 0 |
| 128.00 | Isoleucine, Post-col Ninhydrin Der | 571 | 0.3590 | 0.0040 | 0.3424 | 0.0324 | 0.0126 | 14 | 0.51 | 2% | 0 |
| 128.00 | Isoleucine, Post-col Ninhydrin Der | 504 | 0.3650 | 0.0300 | 0.3424 | 0.0324 | 0.0126 | 14 | 0.70 | 3% | 0 |
| 128.00 | Isoleucine, Post-col Ninhydrin Der | 872 | 0.3685 | 0.0070 | 0.3424 | 0.0324 | 0.0126 | 14 | 0.81 | 4% | 0 |
| 128.00 | Isoleucine, Post-col Ninhydrin Der | 676 | 0.3825 | 0.0010 | 0.3424 | 0.0324 | 0.0126 | 14 | 1.24 | 6% | 0 |
| 128.00 | Isoleucine, Post-col Ninhydrin Der | 883 | 0.7485 | 0.0150 | 0.3424 | 0.0324 | 0.0126 | 14 | 12.53 | 59% | 0 |
| 128.00 | Isoleucine, Post-col Ninhydrin Der | 160 | 0.4985 | 0.1152 | 0.3424 | 0.0324 | 0.0126 | 14 | 4.82 | 23% | 1 |
| 128.05 | Isoleucine, Pre-col AQC Der | 38 | 0.3065 | 0.0090 | 0.3322 | 0.0335 | 0.0177 | 3 | -0.77 | 4% | 0 |
| 128.05 | Isoleucine, Pre-col AQC Der | 668 | 0.3200 | 0.0200 | 0.3322 | 0.0335 | 0.0177 | 3 | -0.36 | 2% | 0 |
| 128.05 | Isoleucine, Pre-col AQC Der | 626 | 0.3700 | 0.0240 | 0.3322 | 0.0335 | 0.0177 | 3 | 1.13 | 6% | 0 |
| 128.99 | Isoleucine, Miscellaneous | 871 | 0.3950 | 0.0300 | | | 0.0300 | 1 | | | |
| 129.00 | Leucine, Post-col Ninhydrin Der | 675 | 0.6500 | 0.0000 | 0.7381 | 0.0581 | 0.0259 | 15 | -1.52 | 6% | 0 |
| 129.00 | Leucine, Post-col Ninhydrin Der | 868 | 0.6570 | 0.0780 | 0.7381 | 0.0581 | 0.0259 | 15 | -1.40 | 5% | 0 |
| 129.00 | Leucine, Post-col Ninhydrin Der | 859 | 0.6945 | 0.0010 | 0.7381 | 0.0581 | 0.0259 | 15 | -0.75 | 3% | 0 |
| 129.00 | Leucine, Post-col Ninhydrin Der | 652 | 0.7000 | 0.0200 | 0.7381 | 0.0581 | 0.0259 | 15 | -0.66 | 3% | 0 |
| 129.00 | Leucine, Post-col Ninhydrin Der | 684 | 0.7045 | 0.0090 | 0.7381 | 0.0581 | 0.0259 | 15 | -0.58 | 2% | 0 |
| 129.00 | Leucine, Post-col Ninhydrin Der | 644 | 0.7180 | 0.0500 | 0.7381 | 0.0581 | 0.0259 | 15 | -0.35 | 1% | 0 |
| 129.00 | Leucine, Post-col Ninhydrin Der | 878 | 0.7255 | 0.0190 | 0.7381 | 0.0581 | 0.0259 | 15 | -0.22 | 1% | 0 |
| 129.00 | Leucine, Post-col Ninhydrin Der | 619 | 0.7335 | 0.0070 | 0.7381 | 0.0581 | 0.0259 | 15 | -0.08 | 0% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|--------------------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 129.00 | Leucine, Post-col Ninhydrin Der | 504 | 0.7500 | 0.0800 | 0.7381 | 0.0581 | 0.0259 | 15 | 0.20 | 1% | 0 |
| 129.00 | Leucine, Post-col Ninhydrin Der | 872 | 0.7555 | 0.0130 | 0.7381 | 0.0581 | 0.0259 | 15 | 0.30 | 1% | 0 |
| 129.00 | Leucine, Post-col Ninhydrin Der | 571 | 0.7680 | 0.0120 | 0.7381 | 0.0581 | 0.0259 | 15 | 0.51 | 2% | 0 |
| 129.00 | Leucine, Post-col Ninhydrin Der | 350 | 0.7775 | 0.0010 | 0.7381 | 0.0581 | 0.0259 | 15 | 0.68 | 3% | 0 |
| 129.00 | Leucine, Post-col Ninhydrin Der | 676 | 0.8255 | 0.0110 | 0.7381 | 0.0581 | 0.0259 | 15 | 1.50 | 6% | 0 |
| 129.00 | Leucine, Post-col Ninhydrin Der | 160 | 0.8543 | 0.0773 | 0.7381 | 0.0581 | 0.0259 | 15 | 2.00 | 8% | 0 |
| 129.00 | Leucine, Post-col Ninhydrin Der | 883 | 1.7270 | 0.0100 | 0.7381 | 0.0581 | 0.0259 | 15 | 17.02 | 67% | 0 |
| 129.05 | Leucine, Pre-col AQC Der | 668 | 0.6850 | 0.0500 | 0.7333 | 0.0424 | 0.0393 | 3 | -1.14 | 3% | 0 |
| 129.05 | Leucine, Pre-col AQC Der | 38 | 0.7505 | 0.0170 | 0.7333 | 0.0424 | 0.0393 | 3 | 0.40 | 1% | 0 |
| 129.05 | Leucine, Pre-col AQC Der | 626 | 0.7645 | 0.0510 | 0.7333 | 0.0424 | 0.0393 | 3 | 0.73 | 2% | 0 |
| 129.99 | Leucine, Miscellaneous | 871 | 0.9100 | 0.0400 | | | 0.0400 | 1 | | | |
| 130.00 | L-Lysine, Post-col Ninhydrin Der | 684 | 0.3810 | 0.0020 | 0.4598 | 0.0309 | 0.0151 | 14 | -2.55 | 9% | 0 |
| 130.00 | L-Lysine, Post-col Ninhydrin Der | 859 | 0.4205 | 0.0050 | 0.4598 | 0.0309 | 0.0151 | 14 | -1.27 | 4% | 0 |
| 130.00 | L-Lysine, Post-col Ninhydrin Der | 652 | 0.4350 | 0.0100 | 0.4598 | 0.0309 | 0.0151 | 14 | -0.80 | 3% | 0 |
| 130.00 | L-Lysine, Post-col Ninhydrin Der | 675 | 0.4350 | 0.0100 | 0.4598 | 0.0309 | 0.0151 | 14 | -0.80 | 3% | 0 |
| 130.00 | L-Lysine, Post-col Ninhydrin Der | 644 | 0.4465 | 0.0330 | 0.4598 | 0.0309 | 0.0151 | 14 | -0.43 | 1% | 0 |
| 130.00 | L-Lysine, Post-col Ninhydrin Der | 619 | 0.4505 | 0.0010 | 0.4598 | 0.0309 | 0.0151 | 14 | -0.30 | 1% | 0 |
| 130.00 | L-Lysine, Post-col Ninhydrin Der | 868 | 0.4570 | 0.0520 | 0.4598 | 0.0309 | 0.0151 | 14 | -0.09 | 0% | 0 |
| 130.00 | L-Lysine, Post-col Ninhydrin Der | 878 | 0.4660 | 0.0000 | 0.4598 | 0.0309 | 0.0151 | 14 | 0.20 | 1% | 0 |
| 130.00 | L-Lysine, Post-col Ninhydrin Der | 571 | 0.4665 | 0.0050 | 0.4598 | 0.0309 | 0.0151 | 14 | 0.22 | 1% | 0 |
| 130.00 | L-Lysine, Post-col Ninhydrin Der | 872 | 0.4760 | 0.0060 | 0.4598 | 0.0309 | 0.0151 | 14 | 0.52 | 2% | 0 |
| 130.00 | L-Lysine, Post-col Ninhydrin Der | 504 | 0.4800 | 0.0400 | 0.4598 | 0.0309 | 0.0151 | 14 | 0.65 | 2% | 0 |
| 130.00 | L-Lysine, Post-col Ninhydrin Der | 350 | 0.4820 | 0.0020 | 0.4598 | 0.0309 | 0.0151 | 14 | 0.72 | 2% | 0 |
| 130.00 | L-Lysine, Post-col Ninhydrin Der | 676 | 0.4995 | 0.0170 | 0.4598 | 0.0309 | 0.0151 | 14 | 1.29 | 4% | 0 |
| 130.00 | L-Lysine, Post-col Ninhydrin Der | 160 | 0.5185 | 0.0288 | 0.4598 | 0.0309 | 0.0151 | 14 | 1.90 | 6% | 0 |
| 130.00 | L-Lysine, Post-col Ninhydrin Der | 883 | 1.4055 | 0.0050 | 0.4598 | 0.0309 | 0.0151 | 14 | 30.63 | 103% | 2 |
| 130.05 | L-Lysine, Pre-col AQC Der | 38 | 0.4170 | 0.0760 | 0.4521 | 0.0361 | 0.0283 | 4 | -0.97 | 4% | 0 |
| 130.05 | L-Lysine, Pre-col AQC Der | 668 | 0.4250 | 0.0100 | 0.4521 | 0.0361 | 0.0283 | 4 | -0.75 | 3% | 0 |
| 130.05 | L-Lysine, Pre-col AQC Der | 626 | 0.4815 | 0.0170 | 0.4521 | 0.0361 | 0.0283 | 4 | 0.81 | 3% | 0 |
| 130.05 | L-Lysine, Pre-col AQC Der | 610 | 0.4850 | 0.0100 | 0.4521 | 0.0361 | 0.0283 | 4 | 0.91 | 4% | 0 |
| 130.99 | L-Lysine, Miscellaneous | 871 | 0.5500 | 0.0400 | | | 0.0400 | 1 | | | |
| 131.00 | Methionine, PAO Post-col Ninhydrin D | 868 | 0.0810 | 0.0180 | 0.1417 | 0.0131 | 0.0076 | 14 | -4.64 | 21% | 0 |
| 131.00 | Methionine, PAO Post-col Ninhydrin D | 859 | 0.1245 | 0.0030 | 0.1417 | 0.0131 | 0.0076 | 14 | -1.32 | 6% | 0 |
| 131.00 | Methionine, PAO Post-col Ninhydrin D | 350 | 0.1330 | 0.0060 | 0.1417 | 0.0131 | 0.0076 | 14 | -0.67 | 3% | 0 |
| 131.00 | Methionine, PAO Post-col Ninhydrin D | 652 | 0.1350 | 0.0100 | 0.1417 | 0.0131 | 0.0076 | 14 | -0.51 | 2% | 0 |
| 131.00 | Methionine, PAO Post-col Ninhydrin D | 684 | 0.1360 | 0.0020 | 0.1417 | 0.0131 | 0.0076 | 14 | -0.44 | 2% | 0 |
| 131.00 | Methionine, PAO Post-col Ninhydrin D | 878 | 0.1360 | 0.0020 | 0.1417 | 0.0131 | 0.0076 | 14 | -0.44 | 2% | 0 |
| 131.00 | Methionine, PAO Post-col Ninhydrin D | 504 | 0.1400 | 0.0200 | 0.1417 | 0.0131 | 0.0076 | 14 | -0.13 | 1% | 0 |
| 131.00 | Methionine, PAO Post-col Ninhydrin D | 675 | 0.1400 | 0.0000 | 0.1417 | 0.0131 | 0.0076 | 14 | -0.13 | 1% | 0 |
| 131.00 | Methionine, PAO Post-col Ninhydrin D | 571 | 0.1460 | 0.0020 | 0.1417 | 0.0131 | 0.0076 | 14 | 0.33 | 2% | 0 |
| 131.00 | Methionine, PAO Post-col Ninhydrin D | 619 | 0.1490 | 0.0040 | 0.1417 | 0.0131 | 0.0076 | 14 | 0.55 | 3% | 0 |
| 131.00 | Methionine, PAO Post-col Ninhydrin D | 644 | 0.1535 | 0.0110 | 0.1417 | 0.0131 | 0.0076 | 14 | 0.90 | 4% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|---------------------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 131.00 | Methionine, PAO Post-col Ninhydrin D | 872 | 0.1535 | 0.0050 | 0.1417 | 0.0131 | 0.0076 | 14 | 0.90 | 4% | 0 |
| 131.00 | Methionine, PAO Post-col Ninhydrin D | 160 | 0.1872 | 0.0133 | 0.1417 | 0.0131 | 0.0076 | 14 | 3.47 | 16% | 0 |
| 131.00 | Methionine, PAO Post-col Ninhydrin D | 883 | 0.4110 | 0.0100 | 0.1417 | 0.0131 | 0.0076 | 14 | 20.55 | 95% | 0 |
| 131.02 | Methionine, PAO Post-col OPA Der | 676 | 0.1695 | 0.0030 | | | 0.0030 | 1 | | | |
| 131.05 | Methionine, PAO Pre-col AQC Der | 626 | 0.0845 | 0.0030 | 0.1175 | 0.0467 | 0.0100 | 2 | -0.71 | 14% | 0 |
| 131.05 | Methionine, PAO Pre-col AQC Der | 38 | 0.1505 | 0.0170 | 0.1175 | 0.0467 | 0.0100 | 2 | 0.71 | 14% | 0 |
| 131.99 | Methionine, Miscellaneous | 668 | 0.1300 | 0.0200 | 0.1525 | 0.0318 | 0.0150 | 2 | -0.71 | 7% | 0 |
| 131.99 | Methionine, Miscellaneous | 871 | 0.1750 | 0.0100 | 0.1525 | 0.0318 | 0.0150 | 2 | 0.71 | 7% | 0 |
| 132.00 | Phenylalanine, Post-col Ninhydrin Der | 160 | 0.2924 | 0.0269 | 0.4169 | 0.0333 | 0.0131 | 15 | -3.74 | 15% | 0 |
| 132.00 | Phenylalanine, Post-col Ninhydrin Der | 684 | 0.3760 | 0.0220 | 0.4169 | 0.0333 | 0.0131 | 15 | -1.23 | 5% | 0 |
| 132.00 | Phenylalanine, Post-col Ninhydrin Der | 675 | 0.3850 | 0.0100 | 0.4169 | 0.0333 | 0.0131 | 15 | -0.96 | 4% | 0 |
| 132.00 | Phenylalanine, Post-col Ninhydrin Der | 652 | 0.3900 | 0.0000 | 0.4169 | 0.0333 | 0.0131 | 15 | -0.81 | 3% | 0 |
| 132.00 | Phenylalanine, Post-col Ninhydrin Der | 868 | 0.3995 | 0.0250 | 0.4169 | 0.0333 | 0.0131 | 15 | -0.52 | 2% | 0 |
| 132.00 | Phenylalanine, Post-col Ninhydrin Der | 644 | 0.4050 | 0.0280 | 0.4169 | 0.0333 | 0.0131 | 15 | -0.36 | 1% | 0 |
| 132.00 | Phenylalanine, Post-col Ninhydrin Der | 878 | 0.4060 | 0.0040 | 0.4169 | 0.0333 | 0.0131 | 15 | -0.33 | 1% | 0 |
| 132.00 | Phenylalanine, Post-col Ninhydrin Der | 859 | 0.4185 | 0.0010 | 0.4169 | 0.0333 | 0.0131 | 15 | 0.05 | 0% | 0 |
| 132.00 | Phenylalanine, Post-col Ninhydrin Der | 504 | 0.4200 | 0.0400 | 0.4169 | 0.0333 | 0.0131 | 15 | 0.09 | 0% | 0 |
| 132.00 | Phenylalanine, Post-col Ninhydrin Der | 571 | 0.4300 | 0.0080 | 0.4169 | 0.0333 | 0.0131 | 15 | 0.39 | 2% | 0 |
| 132.00 | Phenylalanine, Post-col Ninhydrin Der | 872 | 0.4310 | 0.0040 | 0.4169 | 0.0333 | 0.0131 | 15 | 0.42 | 2% | 0 |
| 132.00 | Phenylalanine, Post-col Ninhydrin Der | 350 | 0.4335 | 0.0030 | 0.4169 | 0.0333 | 0.0131 | 15 | 0.50 | 2% | 0 |
| 132.00 | Phenylalanine, Post-col Ninhydrin Der | 676 | 0.4615 | 0.0090 | 0.4169 | 0.0333 | 0.0131 | 15 | 1.34 | 5% | 0 |
| 132.00 | Phenylalanine, Post-col Ninhydrin Der | 619 | 0.5080 | 0.0120 | 0.4169 | 0.0333 | 0.0131 | 15 | 2.74 | 11% | 0 |
| 132.00 | Phenylalanine, Post-col Ninhydrin Der | 883 | 0.9635 | 0.0030 | 0.4169 | 0.0333 | 0.0131 | 15 | 16.44 | 66% | 0 |
| 132.05 | Phenylalanine, Pre-col AQC Der | 668 | 0.4200 | 0.0400 | 0.4390 | 0.0320 | 0.0413 | 3 | -0.59 | 2% | 0 |
| 132.05 | Phenylalanine, Pre-col AQC Der | 38 | 0.4210 | 0.0480 | 0.4390 | 0.0320 | 0.0413 | 3 | -0.56 | 2% | 0 |
| 132.05 | Phenylalanine, Pre-col AQC Der | 626 | 0.4760 | 0.0360 | 0.4390 | 0.0320 | 0.0413 | 3 | 1.15 | 4% | 0 |
| 132.99 | Phenylalanine, Miscellaneous | 871 | 0.4400 | 0.0400 | | | 0.0400 | 1 | | | |
| 133.00 | Proline, Post-col Ninhydrin Der | 859 | 0.5325 | 0.0010 | 0.6062 | 0.0518 | 0.0178 | 15 | -1.42 | 6% | 0 |
| 133.00 | Proline, Post-col Ninhydrin Der | 868 | 0.5380 | 0.0640 | 0.6062 | 0.0518 | 0.0178 | 15 | -1.32 | 6% | 0 |
| 133.00 | Proline, Post-col Ninhydrin Der | 684 | 0.5500 | 0.0200 | 0.6062 | 0.0518 | 0.0178 | 15 | -1.08 | 5% | 0 |
| 133.00 | Proline, Post-col Ninhydrin Der | 652 | 0.5800 | 0.0200 | 0.6062 | 0.0518 | 0.0178 | 15 | -0.51 | 2% | 0 |
| 133.00 | Proline, Post-col Ninhydrin Der | 644 | 0.5870 | 0.0420 | 0.6062 | 0.0518 | 0.0178 | 15 | -0.37 | 2% | 0 |
| 133.00 | Proline, Post-col Ninhydrin Der | 160 | 0.5916 | 0.0146 | 0.6062 | 0.0518 | 0.0178 | 15 | -0.28 | 1% | 0 |
| 133.00 | Proline, Post-col Ninhydrin Der | 504 | 0.6000 | 0.0400 | 0.6062 | 0.0518 | 0.0178 | 15 | -0.12 | 1% | 0 |
| 133.00 | Proline, Post-col Ninhydrin Der | 675 | 0.6000 | 0.0000 | 0.6062 | 0.0518 | 0.0178 | 15 | -0.12 | 1% | 0 |
| 133.00 | Proline, Post-col Ninhydrin Der | 619 | 0.6010 | 0.0080 | 0.6062 | 0.0518 | 0.0178 | 15 | -0.10 | 0% | 0 |
| 133.00 | Proline, Post-col Ninhydrin Der | 350 | 0.6310 | 0.0020 | 0.6062 | 0.0518 | 0.0178 | 15 | 0.48 | 2% | 0 |
| 133.00 | Proline, Post-col Ninhydrin Der | 571 | 0.6340 | 0.0040 | 0.6062 | 0.0518 | 0.0178 | 15 | 0.54 | 2% | 0 |
| 133.00 | Proline, Post-col Ninhydrin Der | 872 | 0.6445 | 0.0030 | 0.6062 | 0.0518 | 0.0178 | 15 | 0.74 | 3% | 0 |
| 133.00 | Proline, Post-col Ninhydrin Der | 878 | 0.6525 | 0.0030 | 0.6062 | 0.0518 | 0.0178 | 15 | 0.89 | 4% | 0 |
| 133.00 | Proline, Post-col Ninhydrin Der | 676 | 1.0680 | 0.0440 | 0.6062 | 0.0518 | 0.0178 | 15 | 8.91 | 38% | 0 |
| 133.00 | Proline, Post-col Ninhydrin Der | 883 | 1.4650 | 0.0020 | 0.6062 | 0.0518 | 0.0178 | 15 | 16.57 | 71% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|-----------------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 133.05 | Proline, Pre-col AQC Der | 668 | 0.5850 | 0.0300 | 0.6238 | 0.0452 | 0.0223 | 3 | -0.86 | 3% | 0 |
| 133.05 | Proline, Pre-col AQC Der | 38 | 0.6130 | 0.0120 | 0.6238 | 0.0452 | 0.0223 | 3 | -0.24 | 1% | 0 |
| 133.05 | Proline, Pre-col AQC Der | 626 | 0.6735 | 0.0250 | 0.6238 | 0.0452 | 0.0223 | 3 | 1.10 | 4% | 0 |
| 133.99 | Proline, Miscellaneous | 871 | 0.6700 | 0.0600 | | | 0.0600 | 1 | | | |
| 134.00 | Serine, Post-col Ninhydrin Der | 504 | 0.3750 | 0.0100 | 0.4565 | 0.0393 | 0.0075 | 14 | -2.08 | 9% | 0 |
| 134.00 | Serine, Post-col Ninhydrin Der | 644 | 0.4045 | 0.0250 | 0.4565 | 0.0393 | 0.0075 | 14 | -1.33 | 6% | 0 |
| 134.00 | Serine, Post-col Ninhydrin Der | 684 | 0.4115 | 0.0010 | 0.4565 | 0.0393 | 0.0075 | 14 | -1.15 | 5% | 0 |
| 134.00 | Serine, Post-col Ninhydrin Der | 652 | 0.4300 | 0.0000 | 0.4565 | 0.0393 | 0.0075 | 14 | -0.68 | 3% | 0 |
| 134.00 | Serine, Post-col Ninhydrin Der | 859 | 0.4445 | 0.0030 | 0.4565 | 0.0393 | 0.0075 | 14 | -0.31 | 1% | 0 |
| 134.00 | Serine, Post-col Ninhydrin Der | 675 | 0.4450 | 0.0100 | 0.4565 | 0.0393 | 0.0075 | 14 | -0.29 | 1% | 0 |
| 134.00 | Serine, Post-col Ninhydrin Der | 619 | 0.4575 | 0.0050 | 0.4565 | 0.0393 | 0.0075 | 14 | 0.03 | 0% | 0 |
| 134.00 | Serine, Post-col Ninhydrin Der | 571 | 0.4610 | 0.0080 | 0.4565 | 0.0393 | 0.0075 | 14 | 0.11 | 0% | 0 |
| 134.00 | Serine, Post-col Ninhydrin Der | 878 | 0.4620 | 0.0060 | 0.4565 | 0.0393 | 0.0075 | 14 | 0.14 | 1% | 0 |
| 134.00 | Serine, Post-col Ninhydrin Der | 350 | 0.4655 | 0.0030 | 0.4565 | 0.0393 | 0.0075 | 14 | 0.23 | 1% | 0 |
| 134.00 | Serine, Post-col Ninhydrin Der | 872 | 0.4690 | 0.0000 | 0.4565 | 0.0393 | 0.0075 | 14 | 0.32 | 1% | 0 |
| 134.00 | Serine, Post-col Ninhydrin Der | 676 | 0.5105 | 0.0090 | 0.4565 | 0.0393 | 0.0075 | 14 | 1.38 | 6% | 0 |
| 134.00 | Serine, Post-col Ninhydrin Der | 160 | 0.5902 | 0.0214 | 0.4565 | 0.0393 | 0.0075 | 14 | 3.41 | 15% | 0 |
| 134.00 | Serine, Post-col Ninhydrin Der | 883 | 1.0645 | 0.0030 | 0.4565 | 0.0393 | 0.0075 | 14 | 15.49 | 67% | 0 |
| 134.00 | Serine, Post-col Ninhydrin Der | 868 | 0.4045 | 0.0490 | 0.4565 | 0.0393 | 0.0075 | 14 | -1.33 | 6% | 1 |
| 134.05 | Serine, Pre-col AQC Der | 668 | 0.4550 | 0.0300 | 0.4767 | 0.0257 | 0.0260 | 3 | -0.84 | 2% | 0 |
| 134.05 | Serine, Pre-col AQC Der | 626 | 0.4700 | 0.0260 | 0.4767 | 0.0257 | 0.0260 | 3 | -0.26 | 1% | 0 |
| 134.05 | Serine, Pre-col AQC Der | 38 | 0.5050 | 0.0220 | 0.4767 | 0.0257 | 0.0260 | 3 | 1.10 | 3% | 0 |
| 134.99 | Serine, Miscellaneous | 871 | 0.5200 | 0.0000 | | | 0.0000 | 1 | | | |
| 135.00 | Threonine, Post-col Ninhydrin Der | 868 | 0.3520 | 0.0440 | 0.3883 | 0.0284 | 0.0116 | 15 | -1.28 | 5% | 0 |
| 135.00 | Threonine, Post-col Ninhydrin Der | 684 | 0.3550 | 0.0160 | 0.3883 | 0.0284 | 0.0116 | 15 | -1.17 | 4% | 0 |
| 135.00 | Threonine, Post-col Ninhydrin Der | 504 | 0.3650 | 0.0300 | 0.3883 | 0.0284 | 0.0116 | 15 | -0.82 | 3% | 0 |
| 135.00 | Threonine, Post-col Ninhydrin Der | 652 | 0.3650 | 0.0100 | 0.3883 | 0.0284 | 0.0116 | 15 | -0.82 | 3% | 0 |
| 135.00 | Threonine, Post-col Ninhydrin Der | 675 | 0.3700 | 0.0000 | 0.3883 | 0.0284 | 0.0116 | 15 | -0.64 | 2% | 0 |
| 135.00 | Threonine, Post-col Ninhydrin Der | 859 | 0.3775 | 0.0010 | 0.3883 | 0.0284 | 0.0116 | 15 | -0.38 | 1% | 0 |
| 135.00 | Threonine, Post-col Ninhydrin Der | 644 | 0.3795 | 0.0190 | 0.3883 | 0.0284 | 0.0116 | 15 | -0.31 | 1% | 0 |
| 135.00 | Threonine, Post-col Ninhydrin Der | 619 | 0.3865 | 0.0030 | 0.3883 | 0.0284 | 0.0116 | 15 | -0.06 | 0% | 0 |
| 135.00 | Threonine, Post-col Ninhydrin Der | 676 | 0.3915 | 0.0210 | 0.3883 | 0.0284 | 0.0116 | 15 | 0.11 | 0% | 0 |
| 135.00 | Threonine, Post-col Ninhydrin Der | 571 | 0.3985 | 0.0050 | 0.3883 | 0.0284 | 0.0116 | 15 | 0.36 | 1% | 0 |
| 135.00 | Threonine, Post-col Ninhydrin Der | 872 | 0.4045 | 0.0050 | 0.3883 | 0.0284 | 0.0116 | 15 | 0.57 | 2% | 0 |
| 135.00 | Threonine, Post-col Ninhydrin Der | 878 | 0.4055 | 0.0010 | 0.3883 | 0.0284 | 0.0116 | 15 | 0.61 | 2% | 0 |
| 135.00 | Threonine, Post-col Ninhydrin Der | 350 | 0.4160 | 0.0000 | 0.3883 | 0.0284 | 0.0116 | 15 | 0.98 | 4% | 0 |
| 135.00 | Threonine, Post-col Ninhydrin Der | 160 | 0.5784 | 0.0173 | 0.3883 | 0.0284 | 0.0116 | 15 | 6.70 | 24% | 0 |
| 135.00 | Threonine, Post-col Ninhydrin Der | 883 | 0.9270 | 0.0020 | 0.3883 | 0.0284 | 0.0116 | 15 | 18.99 | 69% | 0 |
| 135.05 | Threonine, Pre-col AQC Der | 626 | 0.3800 | 0.0260 | 0.3943 | 0.0137 | 0.0190 | 4 | -1.04 | 2% | 0 |
| 135.05 | Threonine, Pre-col AQC Der | 668 | 0.3850 | 0.0300 | 0.3943 | 0.0137 | 0.0190 | 4 | -0.67 | 1% | 0 |
| 135.05 | Threonine, Pre-col AQC Der | 610 | 0.4050 | 0.0100 | 0.3943 | 0.0137 | 0.0190 | 4 | 0.78 | 1% | 0 |
| 135.05 | Threonine, Pre-col AQC Der | 38 | 0.4070 | 0.0100 | 0.3943 | 0.0137 | 0.0190 | 4 | 0.93 | 2% | 0 |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|---------------------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 135.99 | Threonine, Miscellaneous | 871 | 0.4200 | 0.0400 | | | 0.0400 | 1 | | | |
| 136.00 | Tryptophan, Alka-Hydrol Post-col Ninf | 868 | 0.0885 | 0.0050 | 0.0908 | 0.0032 | 0.0035 | 2 | -0.71 | 1% | 0 |
| 136.00 | Tryptophan, Alka-Hydrol Post-col Ninf | 684 | 0.0930 | 0.0020 | 0.0908 | 0.0032 | 0.0035 | 2 | 0.71 | 1% | 0 |
| 136.01 | Tryptophan, Alka-Hydrol Rev Phase L | 878 | 0.0822 | 0.0005 | 0.1125 | 0.0318 | 0.0117 | 4 | -0.95 | 13% | 0 |
| 136.01 | Tryptophan, Alka-Hydrol Rev Phase L | 571 | 0.1025 | 0.0010 | 0.1125 | 0.0318 | 0.0117 | 4 | -0.31 | 4% | 0 |
| 136.01 | Tryptophan, Alka-Hydrol Rev Phase L | 644 | 0.1080 | 0.0060 | 0.1125 | 0.0318 | 0.0117 | 4 | -0.14 | 2% | 0 |
| 136.01 | Tryptophan, Alka-Hydrol Rev Phase L | 160 | 0.1572 | 0.0392 | 0.1125 | 0.0318 | 0.0117 | 4 | 1.41 | 20% | 0 |
| 136.03 | Tryptophan, Alka-Hydrol + IS RP LC F | 859 | 0.1000 | 0.0040 | 0.1103 | 0.0145 | 0.0055 | 2 | -0.71 | 5% | 0 |
| 136.03 | Tryptophan, Alka-Hydrol + IS RP LC F | 610 | 0.1205 | 0.0070 | 0.1103 | 0.0145 | 0.0055 | 2 | 0.71 | 5% | 0 |
| 136.99 | Tryptophan, Miscellaneous | 504 | 0.0850 | 0.0100 | 0.1345 | 0.0591 | 0.0110 | 3 | -0.84 | 18% | 0 |
| 136.99 | Tryptophan, Miscellaneous | 38 | 0.1185 | 0.0230 | 0.1345 | 0.0591 | 0.0110 | 3 | -0.27 | 6% | 0 |
| 136.99 | Tryptophan, Miscellaneous | 871 | 0.2000 | 0.0000 | 0.1345 | 0.0591 | 0.0110 | 3 | 1.11 | 24% | 0 |
| 137.00 | Tyrosine, Post-col Ninhydrin Der | 868 | 0.2580 | 0.0380 | 0.2931 | 0.0187 | 0.0175 | 8 | -1.88 | 6% | 0 |
| 137.00 | Tyrosine, Post-col Ninhydrin Der | 684 | 0.2745 | 0.0070 | 0.2931 | 0.0187 | 0.0175 | 8 | -0.99 | 3% | 0 |
| 137.00 | Tyrosine, Post-col Ninhydrin Der | 675 | 0.2900 | 0.0000 | 0.2931 | 0.0187 | 0.0175 | 8 | -0.16 | 1% | 0 |
| 137.00 | Tyrosine, Post-col Ninhydrin Der | 504 | 0.2900 | 0.0200 | 0.2931 | 0.0187 | 0.0175 | 8 | -0.16 | 1% | 0 |
| 137.00 | Tyrosine, Post-col Ninhydrin Der | 160 | 0.2949 | 0.0316 | 0.2931 | 0.0187 | 0.0175 | 8 | 0.10 | 0% | 0 |
| 137.00 | Tyrosine, Post-col Ninhydrin Der | 644 | 0.2950 | 0.0240 | 0.2931 | 0.0187 | 0.0175 | 8 | 0.10 | 0% | 0 |
| 137.00 | Tyrosine, Post-col Ninhydrin Der | 872 | 0.3245 | 0.0050 | 0.2931 | 0.0187 | 0.0175 | 8 | 1.68 | 5% | 0 |
| 137.00 | Tyrosine, Post-col Ninhydrin Der | 676 | 0.3660 | 0.0140 | 0.2931 | 0.0187 | 0.0175 | 8 | 3.90 | 12% | 0 |
| 137.05 | Tyrosine, Pre-col AQC Der | 626 | 0.2425 | 0.0010 | 0.2942 | 0.0447 | 0.0150 | 3 | -1.15 | 9% | 0 |
| 137.05 | Tyrosine, Pre-col AQC Der | 38 | 0.3200 | 0.0040 | 0.2942 | 0.0447 | 0.0150 | 3 | 0.58 | 4% | 0 |
| 137.05 | Tyrosine, Pre-col AQC Der | 668 | 0.3200 | 0.0400 | 0.2942 | 0.0447 | 0.0150 | 3 | 0.58 | 4% | 0 |
| 137.99 | Tyrosine, Miscellaneous | 871 | 0.3600 | 0.0000 | | | 0.0000 | 1 | | | |
| 138.00 | Valine, Post-col Ninhydrin Der | 684 | 0.3905 | 0.0230 | 0.4512 | 0.0451 | 0.0156 | 14 | -1.35 | 7% | 0 |
| 138.00 | Valine, Post-col Ninhydrin Der | 859 | 0.4015 | 0.0030 | 0.4512 | 0.0451 | 0.0156 | 14 | -1.10 | 6% | 0 |
| 138.00 | Valine, Post-col Ninhydrin Der | 868 | 0.4060 | 0.0540 | 0.4512 | 0.0451 | 0.0156 | 14 | -1.00 | 5% | 0 |
| 138.00 | Valine, Post-col Ninhydrin Der | 878 | 0.4125 | 0.0110 | 0.4512 | 0.0451 | 0.0156 | 14 | -0.86 | 4% | 0 |
| 138.00 | Valine, Post-col Ninhydrin Der | 652 | 0.4250 | 0.0100 | 0.4512 | 0.0451 | 0.0156 | 14 | -0.58 | 3% | 0 |
| 138.00 | Valine, Post-col Ninhydrin Der | 675 | 0.4400 | 0.0200 | 0.4512 | 0.0451 | 0.0156 | 14 | -0.25 | 1% | 0 |
| 138.00 | Valine, Post-col Ninhydrin Der | 644 | 0.4415 | 0.0310 | 0.4512 | 0.0451 | 0.0156 | 14 | -0.22 | 1% | 0 |
| 138.00 | Valine, Post-col Ninhydrin Der | 571 | 0.4695 | 0.0050 | 0.4512 | 0.0451 | 0.0156 | 14 | 0.41 | 2% | 0 |
| 138.00 | Valine, Post-col Ninhydrin Der | 350 | 0.4730 | 0.0040 | 0.4512 | 0.0451 | 0.0156 | 14 | 0.48 | 2% | 0 |
| 138.00 | Valine, Post-col Ninhydrin Der | 676 | 0.4795 | 0.0010 | 0.4512 | 0.0451 | 0.0156 | 14 | 0.63 | 3% | 0 |
| 138.00 | Valine, Post-col Ninhydrin Der | 504 | 0.4800 | 0.0400 | 0.4512 | 0.0451 | 0.0156 | 14 | 0.64 | 3% | 0 |
| 138.00 | Valine, Post-col Ninhydrin Der | 619 | 0.4880 | 0.0020 | 0.4512 | 0.0451 | 0.0156 | 14 | 0.82 | 4% | 0 |
| 138.00 | Valine, Post-col Ninhydrin Der | 872 | 0.4910 | 0.0120 | 0.4512 | 0.0451 | 0.0156 | 14 | 0.88 | 4% | 0 |
| 138.00 | Valine, Post-col Ninhydrin Der | 883 | 0.8145 | 0.0030 | 0.4512 | 0.0451 | 0.0156 | 14 | 8.06 | 40% | 0 |
| 138.05 | Valine, Pre-col AQC Der | 668 | 0.4050 | 0.0300 | 0.4288 | 0.0391 | 0.0263 | 3 | -0.61 | 3% | 0 |
| 138.05 | Valine, Pre-col AQC Der | 38 | 0.4075 | 0.0150 | 0.4288 | 0.0391 | 0.0263 | 3 | -0.55 | 2% | 0 |
| 138.05 | Valine, Pre-col AQC Der | 626 | 0.4740 | 0.0340 | 0.4288 | 0.0391 | 0.0263 | 3 | 1.15 | 5% | 0 |
| 138.99 | Valine, Miscellaneous | 871 | 0.4900 | 0.0200 | | | 0.0200 | 1 | | | |

| Method Code | Analyte Name and Method | Lab Code | Lab Data | | Method Values | | | | AAFCO CS Z Score | Threshold %RSD | Flag |
|-------------|---------------------------------|----------|----------|--------|---------------|--------|--------|--------|------------------|----------------|------|
| | | | Value | range | Rob Mean | Rob SD | R-bar | # Labs | | | |
| 139.00 | Taurine, Post-col Ninhydrin Der | 504 | 0.0500 | 0.0000 | 0.2949 | 0.3464 | 0.0561 | 2 | -0.71 | 42% | 0 |
| 139.00 | Taurine, Post-col Ninhydrin Der | 160 | 0.5399 | 0.1121 | 0.2949 | 0.3464 | 0.0561 | 2 | 0.71 | 42% | 0 |
| 140.01 | Lysine Free, LC-PCD | 859 | 0.0290 | 0.0000 | | | 0.0000 | 1 | | | |
| 142.00 | Threonine Free, LC-PCD | 859 | 0.0290 | 0.0000 | | | 0.0000 | 1 | | | |
| 300.01 | Aflatoxin, Neogen Vera-Tox | 870 | 1.7000 | 0.2000 | | | 0.2000 | 1 | | | |
| 300.20 | Aflatoxin, HPLC | 309 | 0.5600 | 0.0800 | | | 0.0800 | 1 | | | |