



AAFCO
Proficiency Testing Program



Canola Meal

Pet Food Scheme

Labs Reporting: 57

Test Material Code # 201741

Method Proficiency Testing Report

Issue Date : 04/30/2017

| Method Code | Analyte Name and Method (Units) | Lab Code | Lab Data | | Method Values | | | | AAFCO PT Z Score | Threshold %RSD | Flag |
|-------------|---|----------|----------|---------|---------------|-----------|---------|--------|------------------|----------------|------|
| | | | Value | Range | Rob Mean | Robust SD | R-bar | # Labs | | | |
| 001.00 | Loss on Drying, Vac 95°C 5 hr (%) | 0034 | 3.4700 | 0.04000 | 3.9161 | 0.37010 | 0.06875 | 4 | -1.21 | 6% | 0 |
| 001.00 | Loss on Drying, Vac 95°C 5 hr (%) | 0309 | 3.7790 | 0.17400 | 3.9161 | 0.37010 | 0.06875 | 4 | -0.37 | 2% | 0 |
| 001.00 | Loss on Drying, Vac 95°C 5 hr (%) | 0027 | 4.1005 | 0.03100 | 3.9161 | 0.37010 | 0.06875 | 4 | 0.50 | 2% | 0 |
| 001.00 | Loss on Drying, Vac 95°C 5 hr (%) | 2167 | 4.3150 | 0.03000 | 3.9161 | 0.37010 | 0.06875 | 4 | 1.08 | 5% | 0 |
| 001.03 | Loss on Drying, Low temp. methods (%) | 2124 | 4.0250 | 0.01000 | | | | 1 | | | 0 |
| 001.05 | Loss on Drying, LECO (%) | 2153 | 4.0850 | 0.01000 | | | | 1 | | | 0 |
| 001.07 | Loss on Drying, 104°C 3 hr, in malt (%) | 2115 | 3.6700 | 0.06000 | 4.0212 | 0.25891 | 0.17625 | 8 | -1.36 | 4% | 0 |
| 001.07 | Loss on Drying, 104°C 3 hr, in malt (%) | 0074 | 3.7500 | 0.50000 | 4.0212 | 0.25891 | 0.17625 | 8 | -1.05 | 3% | 0 |
| 001.07 | Loss on Drying, 104°C 3 hr, in malt (%) | 0098 | 4.0050 | 0.01000 | 4.0212 | 0.25891 | 0.17625 | 8 | -0.06 | 0% | 0 |
| 001.07 | Loss on Drying, 104°C 3 hr, in malt (%) | 2156 | 4.0650 | 0.01000 | 4.0212 | 0.25891 | 0.17625 | 8 | 0.17 | 1% | 0 |
| 001.07 | Loss on Drying, 104°C 3 hr, in malt (%) | 0003 | 4.0700 | 0.04000 | 4.0212 | 0.25891 | 0.17625 | 8 | 0.19 | 1% | 0 |
| 001.07 | Loss on Drying, 104°C 3 hr, in malt (%) | 0019 | 4.0900 | 0.76000 | 4.0212 | 0.25891 | 0.17625 | 8 | 0.27 | 1% | 0 |
| 001.07 | Loss on Drying, 104°C 3 hr, in malt (%) | 0015 | 4.1100 | 0.02000 | 4.0212 | 0.25891 | 0.17625 | 8 | 0.34 | 1% | 0 |
| 001.07 | Loss on Drying, 104°C 3 hr, in malt (%) | 0529 | 4.9350 | 0.01000 | 4.0212 | 0.25891 | 0.17625 | 8 | 3.53 | 11% | 0 |
| 001.08 | Loss on Drying, 102°C 16 hr, in meat (%) | 0676 | 3.6000 | 0.20000 | | | | 2 | | | 0 |
| 001.08 | Loss on Drying, 102°C 16 hr, in meat (%) | 2165 | 4.1250 | 0.03000 | | | | 2 | | | 0 |
| 001.99 | Loss on Drying, Miscellaneous (%) | 0656 | 3.7750 | 0.11000 | | | | 2 | | | 0 |
| 001.99 | Loss on Drying, Miscellaneous (%) | 0510 | 3.9000 | 0.00000 | | | | 2 | | | 0 |
| 002.01 | Protein, Auto Kjell-Foss (%) | 0870 | 32.090 | 0.10500 | | | | 3 | | | 0 |
| 002.01 | Protein, Auto Kjell-Foss (%) | 0164 | 32.225 | 0.25000 | | | | 3 | | | 0 |
| 002.01 | Protein, Auto Kjell-Foss (%) | 2023 | 32.775 | 0.11000 | | | | 3 | | | 0 |
| 002.04 | Protein, Copper Catalyst (%) | 2122 | 33.000 | 0.00000 | | | | 1 | | | 0 |
| 002.05 | Protein, Copper, Boric Acid (%) | 0015 | 32.145 | 0.77000 | 32.636 | 0.34118 | 0.40750 | 4 | -1.44 | 1% | 0 |
| 002.05 | Protein, Copper, Boric Acid (%) | 2058 | 32.725 | 0.05000 | 32.636 | 0.34118 | 0.40750 | 4 | 0.26 | 0% | 0 |
| 002.05 | Protein, Copper, Boric Acid (%) | 2115 | 32.740 | 0.28000 | 32.636 | 0.34118 | 0.40750 | 4 | 0.30 | 0% | 0 |
| 002.05 | Protein, Copper, Boric Acid (%) | 2167 | 32.935 | 0.53000 | 32.636 | 0.34118 | 0.40750 | 4 | 0.88 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 0407 | 31.604 | 0.19600 | 33.001 | 0.20301 | 0.17788 | 44 | -6.88 | 2% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 0656 | 32.310 | 0.08000 | 33.001 | 0.20301 | 0.17788 | 44 | -3.40 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 0650 | 32.535 | 0.31000 | 33.001 | 0.20301 | 0.17788 | 44 | -2.29 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 2156 | 32.570 | 0.24000 | 33.001 | 0.20301 | 0.17788 | 44 | -2.12 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 0417 | 32.660 | 0.18000 | 33.001 | 0.20301 | 0.17788 | 44 | -1.68 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 0047 | 32.745 | 0.13000 | 33.001 | 0.20301 | 0.17788 | 44 | -1.26 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 0529 | 32.770 | 0.10000 | 33.001 | 0.20301 | 0.17788 | 44 | -1.14 | 0% | 0 |

| Method Code | Analyte Name and Method (Units) | Lab Code | Lab Data | | Method Values | | | | AAFCO PT | Threshold | Flag |
|-------------|---|----------|----------|---------|---------------|-----------|---------|--------|----------|-----------|------|
| | | | Value | Range | Rob Mean | Robust SD | R-bar | # Labs | Z Score | %RSD | |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 0051 | 32.800 | 0.20000 | 33.001 | 0.20301 | 0.17788 | 44 | -0.99 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 0027 | 32.856 | 0.11700 | 33.001 | 0.20301 | 0.17788 | 44 | -0.71 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 0001 | 32.865 | 0.05000 | 33.001 | 0.20301 | 0.17788 | 44 | -0.67 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 2168 | 32.875 | 0.09000 | 33.001 | 0.20301 | 0.17788 | 44 | -0.62 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 1019 | 32.889 | 0.25900 | 33.001 | 0.20301 | 0.17788 | 44 | -0.55 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 0510 | 32.900 | 0.20000 | 33.001 | 0.20301 | 0.17788 | 44 | -0.50 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 0003 | 32.934 | 0.09500 | 33.001 | 0.20301 | 0.17788 | 44 | -0.33 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 2058 | 32.940 | 0.02000 | 33.001 | 0.20301 | 0.17788 | 44 | -0.30 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 0202 | 32.955 | 0.07000 | 33.001 | 0.20301 | 0.17788 | 44 | -0.22 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 0957 | 32.960 | 0.22000 | 33.001 | 0.20301 | 0.17788 | 44 | -0.20 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 0870 | 32.962 | 0.01690 | 33.001 | 0.20301 | 0.17788 | 44 | -0.19 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 0019 | 32.970 | 0.44000 | 33.001 | 0.20301 | 0.17788 | 44 | -0.15 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 0554 | 32.980 | 0.62000 | 33.001 | 0.20301 | 0.17788 | 44 | -0.10 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 2095 | 32.980 | 0.62000 | 33.001 | 0.20301 | 0.17788 | 44 | -0.10 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 2136 | 32.990 | 0.08000 | 33.001 | 0.20301 | 0.17788 | 44 | -0.05 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 2162 | 33.020 | 0.34000 | 33.001 | 0.20301 | 0.17788 | 44 | 0.10 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 2050 | 33.025 | 0.17000 | 33.001 | 0.20301 | 0.17788 | 44 | 0.12 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 0959 | 33.045 | 0.19000 | 33.001 | 0.20301 | 0.17788 | 44 | 0.22 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 2124 | 33.045 | 0.07000 | 33.001 | 0.20301 | 0.17788 | 44 | 0.22 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 0880 | 33.049 | 0.01300 | 33.001 | 0.20301 | 0.17788 | 44 | 0.24 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 0309 | 33.053 | 0.04800 | 33.001 | 0.20301 | 0.17788 | 44 | 0.26 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 2153 | 33.066 | 0.01200 | 33.001 | 0.20301 | 0.17788 | 44 | 0.32 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 2089 | 33.080 | 0.12000 | 33.001 | 0.20301 | 0.17788 | 44 | 0.39 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 0164 | 33.100 | 0.16000 | 33.001 | 0.20301 | 0.17788 | 44 | 0.49 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 0208 | 33.100 | 0.14000 | 33.001 | 0.20301 | 0.17788 | 44 | 0.49 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 0808 | 33.105 | 0.05000 | 33.001 | 0.20301 | 0.17788 | 44 | 0.51 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 0511 | 33.125 | 0.53000 | 33.001 | 0.20301 | 0.17788 | 44 | 0.61 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 2165 | 33.135 | 0.01000 | 33.001 | 0.20301 | 0.17788 | 44 | 0.66 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 0098 | 33.150 | 0.10000 | 33.001 | 0.20301 | 0.17788 | 44 | 0.74 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 0876 | 33.180 | 0.08000 | 33.001 | 0.20301 | 0.17788 | 44 | 0.88 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 0676 | 33.200 | 0.80000 | 33.001 | 0.20301 | 0.17788 | 44 | 0.98 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 0034 | 33.250 | 0.10000 | 33.001 | 0.20301 | 0.17788 | 44 | 1.23 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 2016 | 33.250 | 0.06000 | 33.001 | 0.20301 | 0.17788 | 44 | 1.23 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 0074 | 33.285 | 0.39000 | 33.001 | 0.20301 | 0.17788 | 44 | 1.40 | 0% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 0026 | 33.355 | 0.01600 | 33.001 | 0.20301 | 0.17788 | 44 | 1.75 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 0964 | 33.450 | 0.03400 | 33.001 | 0.20301 | 0.17788 | 44 | 2.21 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 2023 | 33.530 | 0.06000 | 33.001 | 0.20301 | 0.17788 | 44 | 2.61 | 1% | 0 |
| 002.06 | Protein, Combustion Nitrogen Analyzer (%) | 0160 | 33.000 | 1.0000 | 33.001 | 0.20301 | 0.17788 | 44 | 0.00 | 0% | 1 |
| 002.08 | Protein, Cu/Ti (%) | 0098 | 32.400 | 0.58000 | | | | 1 | | | 0 |
| 002.99 | Protein, Miscellaneous (%) | 0969 | 32.400 | 0.00000 | | | | 3 | | | 0 |
| 002.99 | Protein, Miscellaneous (%) | 0970 | 32.900 | 0.00000 | | | | 3 | | | 0 |

Test Material Code # 201741

Method Proficiency Testing Report

Issue Date : 04/30/2017

| Method Code | Analyte Name and Method (Units) | Lab Code | Lab Data | | Method Values | | | | AAFCO PT Z Score | Threshold %RSD | Flag |
|-------------|---------------------------------|----------|----------|---------|---------------|-----------|---------|--------|------------------|----------------|------|
| | | | Value | Range | Rob Mean | Robust SD | R-bar | # Labs | | | |
| 002.99 | Protein, Miscellaneous (%) | 2004 | 33.250 | 0.10000 | | | | 3 | | | 0 |
| 003.00 | Fat, Eth Ext., Direct (%) | 0309 | 8.8902 | 0.15260 | | | | 3 | | | 0 |
| 003.00 | Fat, Eth Ext., Direct (%) | 2115 | 8.9200 | 0.06000 | | | | 3 | | | 0 |
| 003.00 | Fat, Eth Ext., Direct (%) | 2153 | 8.9250 | 0.19000 | | | | 3 | | | 0 |
| 003.06 | Fat, Pet Ether (%) | 0164 | 8.7000 | 0.10000 | | | | 3 | | | 0 |
| 003.06 | Fat, Pet Ether (%) | 0511 | 9.0550 | 0.19000 | | | | 3 | | | 0 |
| 003.06 | Fat, Pet Ether (%) | 0676 | 9.0950 | 0.21000 | | | | 3 | | | 0 |
| 003.09 | Fat, Soxtec, Eth Ext (%) | 2165 | 8.2000 | 0.08000 | 9.0232 | 0.21041 | 0.12682 | 6 | -3.91 | 5% | 0 |
| 003.09 | Fat, Soxtec, Eth Ext (%) | 0027 | 8.9255 | 0.14900 | 9.0232 | 0.21041 | 0.12682 | 6 | -0.46 | 1% | 0 |
| 003.09 | Fat, Soxtec, Eth Ext (%) | 0510 | 9.0500 | 0.10000 | 9.0232 | 0.21041 | 0.12682 | 6 | 0.13 | 0% | 0 |
| 003.09 | Fat, Soxtec, Eth Ext (%) | 0656 | 9.0900 | 0.00000 | 9.0232 | 0.21041 | 0.12682 | 6 | 0.32 | 0% | 0 |
| 003.09 | Fat, Soxtec, Eth Ext (%) | 0098 | 9.1250 | 0.07000 | 9.0232 | 0.21041 | 0.12682 | 6 | 0.48 | 1% | 0 |
| 003.09 | Fat, Soxtec, Eth Ext (%) | 0964 | 9.2410 | 0.36190 | 9.0232 | 0.21041 | 0.12682 | 6 | 1.04 | 1% | 0 |
| 003.10 | Fat, Soxtec, Pet Ether (%) | 0051 | 8.4500 | 0.10000 | 8.7807 | 0.22207 | 0.13173 | 6 | -1.49 | 2% | 0 |
| 003.10 | Fat, Soxtec, Pet Ether (%) | 0160 | 8.7300 | 0.02000 | 8.7807 | 0.22207 | 0.13173 | 6 | -0.23 | 0% | 0 |
| 003.10 | Fat, Soxtec, Pet Ether (%) | 2162 | 8.7450 | 0.19000 | 8.7807 | 0.22207 | 0.13173 | 6 | -0.16 | 0% | 0 |
| 003.10 | Fat, Soxtec, Pet Ether (%) | 0098 | 8.8450 | 0.05000 | 8.7807 | 0.22207 | 0.13173 | 6 | 0.29 | 0% | 0 |
| 003.10 | Fat, Soxtec, Pet Ether (%) | 0870 | 8.8794 | 0.32040 | 8.7807 | 0.22207 | 0.13173 | 6 | 0.44 | 1% | 0 |
| 003.10 | Fat, Soxtec, Pet Ether (%) | 2124 | 9.0350 | 0.11000 | 8.7807 | 0.22207 | 0.13173 | 6 | 1.14 | 1% | 0 |
| 003.13 | Fat, Soxtec, Hexane Ext. (%) | 0098 | 9.0000 | 0.34000 | | | | 2 | | | 0 |
| 003.13 | Fat, Soxtec, Hexane Ext. (%) | 2089 | 9.2500 | 0.40000 | | | | 2 | | | 0 |
| 003.14 | Fat, Ankom (%) | 0003 | 7.8400 | 0.34000 | 8.9466 | 0.30644 | 0.16124 | 8 | -3.61 | 6% | 0 |
| 003.14 | Fat, Ankom (%) | 0202 | 8.6450 | 0.07000 | 8.9466 | 0.30644 | 0.16124 | 8 | -0.98 | 2% | 0 |
| 003.14 | Fat, Ankom (%) | 0019 | 8.8600 | 0.04000 | 8.9466 | 0.30644 | 0.16124 | 8 | -0.28 | 0% | 0 |
| 003.14 | Fat, Ankom (%) | 0407 | 8.9411 | 0.09990 | 8.9466 | 0.30644 | 0.16124 | 8 | -0.02 | 0% | 0 |
| 003.14 | Fat, Ankom (%) | 0529 | 9.0550 | 0.05000 | 8.9466 | 0.30644 | 0.16124 | 8 | 0.35 | 1% | 0 |
| 003.14 | Fat, Ankom (%) | 0876 | 9.1650 | 0.23000 | 8.9466 | 0.30644 | 0.16124 | 8 | 0.71 | 1% | 0 |
| 003.14 | Fat, Ankom (%) | 0015 | 9.1700 | 0.22000 | 8.9466 | 0.30644 | 0.16124 | 8 | 0.73 | 1% | 0 |
| 003.14 | Fat, Ankom (%) | 0034 | 9.2500 | 0.24000 | 8.9466 | 0.30644 | 0.16124 | 8 | 0.99 | 2% | 0 |
| 003.99 | Fat, Miscellaneous (%) | 0880 | 5.6500 | 0.70000 | | | | 3 | | | 0 |
| 003.99 | Fat, Miscellaneous (%) | 1019 | 6.8650 | 0.13000 | | | | 3 | | | 0 |
| 003.99 | Fat, Miscellaneous (%) | 0047 | 8.9550 | 0.01000 | | | | 3 | | | 0 |
| 004.00 | Fiber, Crude, Asbestos Free (%) | 2004 | 11.150 | 1.1000 | 12.675 | 1.1043 | 0.70370 | 8 | -1.38 | 6% | 0 |
| 004.00 | Fiber, Crude, Asbestos Free (%) | 2023 | 11.740 | 0.20000 | 12.675 | 1.1043 | 0.70370 | 8 | -0.85 | 4% | 0 |
| 004.00 | Fiber, Crude, Asbestos Free (%) | 0969 | 12.400 | 1.2000 | 12.675 | 1.1043 | 0.70370 | 8 | -0.25 | 1% | 0 |
| 004.00 | Fiber, Crude, Asbestos Free (%) | 2167 | 12.620 | 0.06000 | 12.675 | 1.1043 | 0.70370 | 8 | -0.05 | 0% | 0 |
| 004.00 | Fiber, Crude, Asbestos Free (%) | 0309 | 12.706 | 0.46960 | 12.675 | 1.1043 | 0.70370 | 8 | 0.03 | 0% | 0 |
| 004.00 | Fiber, Crude, Asbestos Free (%) | 0164 | 13.150 | 0.10000 | 12.675 | 1.1043 | 0.70370 | 8 | 0.43 | 2% | 0 |
| 004.00 | Fiber, Crude, Asbestos Free (%) | 0208 | 13.300 | 2.4000 | 12.675 | 1.1043 | 0.70370 | 8 | 0.57 | 2% | 0 |
| 004.00 | Fiber, Crude, Asbestos Free (%) | 0511 | 14.650 | 0.10000 | 12.675 | 1.1043 | 0.70370 | 8 | 1.79 | 8% | 0 |
| 004.03 | Fiber, Fritted Glass (%) | 2089 | 9.9950 | 0.45000 | | | | 2 | | | 0 |

| Method Code | Analyte Name and Method (Units) | Lab Code | Lab Data | | Method Values | | | | AAFCO PT Z Score | Threshold %RSD | Flag |
|-------------|---------------------------------|----------|----------|---------|---------------|-----------|---------|--------|------------------|----------------|------|
| | | | Value | Range | Rob Mean | Robust SD | R-bar | # Labs | | | |
| 004.03 | Fiber, Fritted Glass (%) | 2058 | 11.025 | 0.31000 | | | | 2 | | | 0 |
| 004.06 | Fiber, Fibertec (%) | 0676 | 10.000 | 0.20000 | 13.025 | 2.0167 | 0.63340 | 5 | -1.28 | 11% | 0 |
| 004.06 | Fiber, Fibertec (%) | 2115 | 12.520 | 0.08000 | 13.025 | 2.0167 | 0.63340 | 5 | -0.19 | 2% | 0 |
| 004.06 | Fiber, Fibertec (%) | 0964 | 13.250 | 2.4400 | 13.025 | 2.0167 | 0.63340 | 5 | 0.12 | 1% | 0 |
| 004.06 | Fiber, Fibertec (%) | 0027 | 13.854 | 0.00700 | 13.025 | 2.0167 | 0.63340 | 5 | 0.38 | 3% | 0 |
| 004.06 | Fiber, Fibertec (%) | 0656 | 15.500 | 0.44000 | 13.025 | 2.0167 | 0.63340 | 5 | 1.09 | 10% | 0 |
| 004.07 | Fiber, ANKOM (%) | 0042 | 6.9050 | 0.17000 | 13.546 | 1.4231 | 0.49486 | 16 | -4.67 | 25% | 0 |
| 004.07 | Fiber, ANKOM (%) | 0026 | 11.450 | 0.10000 | 13.546 | 1.4231 | 0.49486 | 16 | -1.47 | 8% | 0 |
| 004.07 | Fiber, ANKOM (%) | 0510 | 12.250 | 0.10000 | 13.546 | 1.4231 | 0.49486 | 16 | -0.91 | 5% | 0 |
| 004.07 | Fiber, ANKOM (%) | 0529 | 12.260 | 0.20000 | 13.546 | 1.4231 | 0.49486 | 16 | -0.90 | 5% | 0 |
| 004.07 | Fiber, ANKOM (%) | 0003 | 12.860 | 0.98000 | 13.546 | 1.4231 | 0.49486 | 16 | -0.48 | 3% | 0 |
| 004.07 | Fiber, ANKOM (%) | 0202 | 13.030 | 0.40000 | 13.546 | 1.4231 | 0.49486 | 16 | -0.36 | 2% | 0 |
| 004.07 | Fiber, ANKOM (%) | 0098 | 13.555 | 0.81000 | 13.546 | 1.4231 | 0.49486 | 16 | 0.01 | 0% | 0 |
| 004.07 | Fiber, ANKOM (%) | 0074 | 13.570 | 0.04000 | 13.546 | 1.4231 | 0.49486 | 16 | 0.02 | 0% | 0 |
| 004.07 | Fiber, ANKOM (%) | 0160 | 13.800 | 1.4000 | 13.546 | 1.4231 | 0.49486 | 16 | 0.18 | 1% | 0 |
| 004.07 | Fiber, ANKOM (%) | 0870 | 13.967 | 0.57270 | 13.546 | 1.4231 | 0.49486 | 16 | 0.30 | 2% | 0 |
| 004.07 | Fiber, ANKOM (%) | 0876 | 14.200 | 0.60000 | 13.546 | 1.4231 | 0.49486 | 16 | 0.46 | 2% | 0 |
| 004.07 | Fiber, ANKOM (%) | 0034 | 14.315 | 0.33000 | 13.546 | 1.4231 | 0.49486 | 16 | 0.54 | 3% | 0 |
| 004.07 | Fiber, ANKOM (%) | 0019 | 14.575 | 0.31000 | 13.546 | 1.4231 | 0.49486 | 16 | 0.72 | 4% | 0 |
| 004.07 | Fiber, ANKOM (%) | 0407 | 14.804 | 0.22510 | 13.546 | 1.4231 | 0.49486 | 16 | 0.88 | 5% | 0 |
| 004.07 | Fiber, ANKOM (%) | 2115 | 15.010 | 0.12000 | 13.546 | 1.4231 | 0.49486 | 16 | 1.03 | 5% | 0 |
| 004.07 | Fiber, ANKOM (%) | 2124 | 15.800 | 1.5600 | 13.546 | 1.4231 | 0.49486 | 16 | 1.58 | 8% | 0 |
| 004.99 | Fiber, Miscellaneous (%) | 2165 | 13.430 | 0.12000 | | | | 1 | | | 0 |
| 005.00 | Ash, 2h @ 600°C (%) | 1019 | 6.0400 | 0.12000 | 6.7352 | 0.15025 | 0.06269 | 31 | -4.63 | 5% | 0 |
| 005.00 | Ash, 2h @ 600°C (%) | 0808 | 6.5300 | 0.12000 | 6.7352 | 0.15025 | 0.06269 | 31 | -1.37 | 2% | 0 |
| 005.00 | Ash, 2h @ 600°C (%) | 0880 | 6.5300 | 0.20400 | 6.7352 | 0.15025 | 0.06269 | 31 | -1.37 | 2% | 0 |
| 005.00 | Ash, 2h @ 600°C (%) | 0417 | 6.5700 | 0.34000 | 6.7352 | 0.15025 | 0.06269 | 31 | -1.10 | 1% | 0 |
| 005.00 | Ash, 2h @ 600°C (%) | 0026 | 6.5750 | 0.01000 | 6.7352 | 0.15025 | 0.06269 | 31 | -1.07 | 1% | 0 |
| 005.00 | Ash, 2h @ 600°C (%) | 0957 | 6.5800 | 0.04000 | 6.7352 | 0.15025 | 0.06269 | 31 | -1.03 | 1% | 0 |
| 005.00 | Ash, 2h @ 600°C (%) | 0959 | 6.6000 | 0.06000 | 6.7352 | 0.15025 | 0.06269 | 31 | -0.90 | 1% | 0 |
| 005.00 | Ash, 2h @ 600°C (%) | 0027 | 6.6130 | 0.01200 | 6.7352 | 0.15025 | 0.06269 | 31 | -0.81 | 1% | 0 |
| 005.00 | Ash, 2h @ 600°C (%) | 0042 | 6.6300 | 0.14000 | 6.7352 | 0.15025 | 0.06269 | 31 | -0.70 | 1% | 0 |
| 005.00 | Ash, 2h @ 600°C (%) | 0015 | 6.6350 | 0.05000 | 6.7352 | 0.15025 | 0.06269 | 31 | -0.67 | 1% | 0 |
| 005.00 | Ash, 2h @ 600°C (%) | 2162 | 6.6350 | 0.01000 | 6.7352 | 0.15025 | 0.06269 | 31 | -0.67 | 1% | 0 |
| 005.00 | Ash, 2h @ 600°C (%) | 0650 | 6.7250 | 0.03000 | 6.7352 | 0.15025 | 0.06269 | 31 | -0.07 | 0% | 0 |
| 005.00 | Ash, 2h @ 600°C (%) | 0019 | 6.7350 | 0.07000 | 6.7352 | 0.15025 | 0.06269 | 31 | 0.00 | 0% | 0 |
| 005.00 | Ash, 2h @ 600°C (%) | 0407 | 6.7399 | 0.02020 | 6.7352 | 0.15025 | 0.06269 | 31 | 0.03 | 0% | 0 |
| 005.00 | Ash, 2h @ 600°C (%) | 0208 | 6.7400 | 0.12000 | 6.7352 | 0.15025 | 0.06269 | 31 | 0.03 | 0% | 0 |
| 005.00 | Ash, 2h @ 600°C (%) | 0001 | 6.7479 | 0.00420 | 6.7352 | 0.15025 | 0.06269 | 31 | 0.08 | 0% | 0 |
| 005.00 | Ash, 2h @ 600°C (%) | 0051 | 6.7500 | 0.10000 | 6.7352 | 0.15025 | 0.06269 | 31 | 0.10 | 0% | 0 |
| 005.00 | Ash, 2h @ 600°C (%) | 0529 | 6.7700 | 0.06000 | 6.7352 | 0.15025 | 0.06269 | 31 | 0.23 | 0% | 0 |

| Method Code | Analyte Name and Method (Units) | Lab Code | Lab Data | | Method Values | | | | AAFCO PT | Threshold | Flag |
|-------------|-------------------------------------|----------|----------|---------|---------------|-----------|---------|--------|----------|-----------|------|
| | | | Value | Range | Rob Mean | Robust SD | R-bar | # Labs | Z Score | %RSD | |
| 005.00 | Ash, 2h @ 600°C (%) | 0164 | 6.7800 | 0.04000 | 6.7352 | 0.15025 | 0.06269 | 31 | 0.30 | 0% | 0 |
| 005.00 | Ash, 2h @ 600°C (%) | 0656 | 6.7850 | 0.03000 | 6.7352 | 0.15025 | 0.06269 | 31 | 0.33 | 0% | 0 |
| 005.00 | Ash, 2h @ 600°C (%) | 0510 | 6.7950 | 0.03000 | 6.7352 | 0.15025 | 0.06269 | 31 | 0.40 | 0% | 0 |
| 005.00 | Ash, 2h @ 600°C (%) | 0511 | 6.8000 | 0.00000 | 6.7352 | 0.15025 | 0.06269 | 31 | 0.43 | 0% | 0 |
| 005.00 | Ash, 2h @ 600°C (%) | 0870 | 6.8251 | 0.02310 | 6.7352 | 0.15025 | 0.06269 | 31 | 0.60 | 1% | 0 |
| 005.00 | Ash, 2h @ 600°C (%) | 0876 | 6.8450 | 0.01000 | 6.7352 | 0.15025 | 0.06269 | 31 | 0.73 | 1% | 0 |
| 005.00 | Ash, 2h @ 600°C (%) | 0047 | 6.8500 | 0.10000 | 6.7352 | 0.15025 | 0.06269 | 31 | 0.76 | 1% | 0 |
| 005.00 | Ash, 2h @ 600°C (%) | 2016 | 6.8500 | 0.04000 | 6.7352 | 0.15025 | 0.06269 | 31 | 0.76 | 1% | 0 |
| 005.00 | Ash, 2h @ 600°C (%) | 0098 | 6.9100 | 0.08000 | 6.7352 | 0.15025 | 0.06269 | 31 | 1.16 | 1% | 0 |
| 005.00 | Ash, 2h @ 600°C (%) | 0309 | 6.9150 | 0.07000 | 6.7352 | 0.15025 | 0.06269 | 31 | 1.20 | 1% | 0 |
| 005.00 | Ash, 2h @ 600°C (%) | 2115 | 6.9200 | 0.00000 | 6.7352 | 0.15025 | 0.06269 | 31 | 1.23 | 1% | 0 |
| 005.00 | Ash, 2h @ 600°C (%) | 2124 | 6.9400 | 0.00000 | 6.7352 | 0.15025 | 0.06269 | 31 | 1.36 | 2% | 0 |
| 005.00 | Ash, 2h @ 600°C (%) | 2089 | 7.1450 | 0.01000 | 6.7352 | 0.15025 | 0.06269 | 31 | 2.73 | 3% | 0 |
| 005.00 | Ash, 2h @ 600°C (%) | 0160 | 6.7900 | 0.52000 | 6.7352 | 0.15025 | 0.06269 | 31 | 0.36 | 0% | 1 |
| 005.02 | Ash, LECO (%) | 2153 | 7.1250 | 0.01000 | | | | 1 | | | 0 |
| 005.05 | Ash, 3h @ 550°C (%) | 2050 | 6.7150 | 0.01000 | 6.8890 | 0.12551 | 0.02125 | 8 | -1.39 | 1% | 0 |
| 005.05 | Ash, 3h @ 550°C (%) | 0676 | 6.8000 | 0.00000 | 6.8890 | 0.12551 | 0.02125 | 8 | -0.71 | 1% | 0 |
| 005.05 | Ash, 3h @ 550°C (%) | 2058 | 6.8600 | 0.00000 | 6.8890 | 0.12551 | 0.02125 | 8 | -0.23 | 0% | 0 |
| 005.05 | Ash, 3h @ 550°C (%) | 0003 | 6.8700 | 0.04000 | 6.8890 | 0.12551 | 0.02125 | 8 | -0.15 | 0% | 0 |
| 005.05 | Ash, 3h @ 550°C (%) | 2156 | 6.8700 | 0.00000 | 6.8890 | 0.12551 | 0.02125 | 8 | -0.15 | 0% | 0 |
| 005.05 | Ash, 3h @ 550°C (%) | 2167 | 6.9450 | 0.01000 | 6.8890 | 0.12551 | 0.02125 | 8 | 0.45 | 0% | 0 |
| 005.05 | Ash, 3h @ 550°C (%) | 2136 | 6.9750 | 0.07000 | 6.8890 | 0.12551 | 0.02125 | 8 | 0.68 | 1% | 0 |
| 005.05 | Ash, 3h @ 550°C (%) | 2165 | 9.8900 | 0.04000 | 6.8890 | 0.12551 | 0.02125 | 8 | 23.91 | 22% | 0 |
| 005.99 | Ash, Miscellaneous (%) | 2023 | 6.6150 | 0.05000 | 6.8270 | 0.13165 | 0.03800 | 5 | -1.40 | 1% | 0 |
| 005.99 | Ash, Miscellaneous (%) | 2004 | 6.8000 | 0.00000 | 6.8270 | 0.13165 | 0.03800 | 5 | 0.03 | 0% | 0 |
| 005.99 | Ash, Miscellaneous (%) | 0202 | 6.8550 | 0.01000 | 6.8270 | 0.13165 | 0.03800 | 5 | 0.45 | 0% | 0 |
| 005.99 | Ash, Miscellaneous (%) | 0970 | 6.9150 | 0.01000 | 6.8270 | 0.13165 | 0.03800 | 5 | 0.92 | 1% | 0 |
| 005.99 | Ash, Miscellaneous (%) | 0969 | 6.9500 | 0.12000 | 6.8270 | 0.13165 | 0.03800 | 5 | 1.19 | 1% | 0 |
| 006.01 | Total sugars, Mod. Fehling Soln (%) | 0407 | 10.250 | 0.20000 | | | | 1 | | | 0 |
| 006.99 | Total sugars, Miscellaneous (%) | 0970 | 7.3000 | 0.20000 | | | | 3 | | | 0 |
| 006.99 | Total sugars, Miscellaneous (%) | 0969 | 7.3500 | 0.10000 | | | | 3 | | | 0 |
| 006.99 | Total sugars, Miscellaneous (%) | 2114 | 7.4615 | 0.03320 | | | | 3 | | | 0 |
| 008.02 | Fiber, Acid Detergent (%) | 0208 | 19.700 | 1.0000 | | | | 3 | | | 0 |
| 008.02 | Fiber, Acid Detergent (%) | 0098 | 21.180 | 0.34000 | | | | 3 | | | 0 |
| 008.02 | Fiber, Acid Detergent (%) | 0309 | 21.827 | 0.05390 | | | | 3 | | | 0 |
| 008.08 | Fiber, Acid Detergent, ANKOM (%) | 0164 | 19.750 | 0.30000 | 21.940 | 1.2908 | 0.93666 | 9 | -1.70 | 5% | 0 |
| 008.08 | Fiber, Acid Detergent, ANKOM (%) | 2115 | 21.035 | 0.11000 | 21.940 | 1.2908 | 0.93666 | 9 | -0.70 | 2% | 0 |
| 008.08 | Fiber, Acid Detergent, ANKOM (%) | 0529 | 21.640 | 0.12000 | 21.940 | 1.2908 | 0.93666 | 9 | -0.23 | 1% | 0 |
| 008.08 | Fiber, Acid Detergent, ANKOM (%) | 0015 | 21.690 | 2.0200 | 21.940 | 1.2908 | 0.93666 | 9 | -0.19 | 1% | 0 |
| 008.08 | Fiber, Acid Detergent, ANKOM (%) | 0160 | 21.750 | 2.5000 | 21.940 | 1.2908 | 0.93666 | 9 | -0.15 | 0% | 0 |
| 008.08 | Fiber, Acid Detergent, ANKOM (%) | 0001 | 21.785 | 0.23000 | 21.940 | 1.2908 | 0.93666 | 9 | -0.12 | 0% | 0 |

Test Material Code # 201741

Method Proficiency Testing Report

Issue Date : 04/30/2017

| Method Code | Analyte Name and Method (Units) | Lab Code | Lab Data | | Method Values | | | | AAFCO PT | Threshold | Flag |
|-------------|---|----------|----------|---------|---------------|-----------|---------|--------|----------|-----------|------|
| | | | Value | Range | Rob Mean | Robust SD | R-bar | # Labs | Z Score | %RSD | |
| 008.08 | Fiber, Acid Detergent, ANKOM (%) | 0026 | 22.495 | 0.05000 | 21.940 | 1.2908 | 0.93666 | 9 | 0.43 | 1% | 0 |
| 008.08 | Fiber, Acid Detergent, ANKOM (%) | 0870 | 23.187 | 1.2365 | 21.940 | 1.2908 | 0.93666 | 9 | 0.97 | 3% | 0 |
| 008.08 | Fiber, Acid Detergent, ANKOM (%) | 0407 | 26.221 | 1.8634 | 21.940 | 1.2908 | 0.93666 | 9 | 3.32 | 10% | 0 |
| 008.99 | Fiber, Acid Detergent Miscellaneous (%) | 0511 | 18.350 | 0.10000 | | | | 1 | | | 0 |
| 009.07 | Fiber, Neutral Det-ENZ Pretreat (%) | 0098 | 27.150 | 0.30000 | | | | 3 | | | 0 |
| 009.07 | Fiber, Neutral Det-ENZ Pretreat (%) | 0208 | 29.200 | 0.20000 | | | | 3 | | | 0 |
| 009.07 | Fiber, Neutral Det-ENZ Pretreat (%) | 0309 | 29.356 | 0.55070 | | | | 3 | | | 0 |
| 009.09 | Fiber, Neutral Detergent, ANKOM (%) | 0164 | 23.450 | 0.50000 | 28.068 | 3.4563 | 1.5620 | 7 | -1.34 | 8% | 0 |
| 009.09 | Fiber, Neutral Detergent, ANKOM (%) | 0160 | 26.750 | 0.50000 | 28.068 | 3.4563 | 1.5620 | 7 | -0.38 | 2% | 0 |
| 009.09 | Fiber, Neutral Detergent, ANKOM (%) | 2115 | 26.845 | 0.37000 | 28.068 | 3.4563 | 1.5620 | 7 | -0.35 | 2% | 0 |
| 009.09 | Fiber, Neutral Detergent, ANKOM (%) | 0015 | 27.325 | 0.41000 | 28.068 | 3.4563 | 1.5620 | 7 | -0.21 | 1% | 0 |
| 009.09 | Fiber, Neutral Detergent, ANKOM (%) | 0001 | 28.145 | 0.39000 | 28.068 | 3.4563 | 1.5620 | 7 | 0.02 | 0% | 0 |
| 009.09 | Fiber, Neutral Detergent, ANKOM (%) | 0870 | 31.903 | 6.1537 | 28.068 | 3.4563 | 1.5620 | 7 | 1.11 | 7% | 0 |
| 009.09 | Fiber, Neutral Detergent, ANKOM (%) | 0407 | 32.057 | 2.6103 | 28.068 | 3.4563 | 1.5620 | 7 | 1.15 | 7% | 0 |
| 010.03 | Moisture, Karl-Fischer (%) | 0164 | 4.2500 | 0.06000 | | | | 1 | | | 0 |
| 010.99 | Moisture, Miscellaneous (%) | 0969 | 3.0300 | 0.06000 | 3.8424 | 0.67165 | 0.10117 | 6 | -1.21 | 11% | 0 |
| 010.99 | Moisture, Miscellaneous (%) | 2004 | 3.3750 | 0.25000 | 3.8424 | 0.67165 | 0.10117 | 6 | -0.70 | 6% | 0 |
| 010.99 | Moisture, Miscellaneous (%) | 0964 | 3.8695 | 0.21700 | 3.8424 | 0.67165 | 0.10117 | 6 | 0.04 | 0% | 0 |
| 010.99 | Moisture, Miscellaneous (%) | 2089 | 3.9650 | 0.07000 | 3.8424 | 0.67165 | 0.10117 | 6 | 0.18 | 2% | 0 |
| 010.99 | Moisture, Miscellaneous (%) | 0970 | 4.0750 | 0.01000 | 3.8424 | 0.67165 | 0.10117 | 6 | 0.35 | 3% | 0 |
| 010.99 | Moisture, Miscellaneous (%) | 2122 | 4.7400 | 0.00000 | 3.8424 | 0.67165 | 0.10117 | 6 | 1.34 | 12% | 0 |
| 011.01 | Loss on Drying, 135°C 2hr (%) | 0554 | 3.4000 | 0.40000 | 4.8035 | 0.27580 | 0.21315 | 25 | -5.09 | 15% | 0 |
| 011.01 | Loss on Drying, 135°C 2hr (%) | 2095 | 3.4000 | 0.40000 | 4.8035 | 0.27580 | 0.21315 | 25 | -5.09 | 15% | 0 |
| 011.01 | Loss on Drying, 135°C 2hr (%) | 2136 | 4.2150 | 0.29000 | 4.8035 | 0.27580 | 0.21315 | 25 | -2.13 | 6% | 0 |
| 011.01 | Loss on Drying, 135°C 2hr (%) | 0880 | 4.4440 | 0.53000 | 4.8035 | 0.27580 | 0.21315 | 25 | -1.30 | 4% | 0 |
| 011.01 | Loss on Drying, 135°C 2hr (%) | 0164 | 4.6150 | 0.11000 | 4.8035 | 0.27580 | 0.21315 | 25 | -0.68 | 2% | 0 |
| 011.01 | Loss on Drying, 135°C 2hr (%) | 0202 | 4.6350 | 0.01000 | 4.8035 | 0.27580 | 0.21315 | 25 | -0.61 | 2% | 0 |
| 011.01 | Loss on Drying, 135°C 2hr (%) | 0047 | 4.7000 | 0.20000 | 4.8035 | 0.27580 | 0.21315 | 25 | -0.38 | 1% | 0 |
| 011.01 | Loss on Drying, 135°C 2hr (%) | 0957 | 4.7150 | 0.21000 | 4.8035 | 0.27580 | 0.21315 | 25 | -0.32 | 1% | 0 |
| 011.01 | Loss on Drying, 135°C 2hr (%) | 0511 | 4.7400 | 0.00000 | 4.8035 | 0.27580 | 0.21315 | 25 | -0.23 | 1% | 0 |
| 011.01 | Loss on Drying, 135°C 2hr (%) | 0208 | 4.7500 | 0.22000 | 4.8035 | 0.27580 | 0.21315 | 25 | -0.19 | 1% | 0 |
| 011.01 | Loss on Drying, 135°C 2hr (%) | 2162 | 4.7600 | 0.16000 | 4.8035 | 0.27580 | 0.21315 | 25 | -0.16 | 0% | 0 |
| 011.01 | Loss on Drying, 135°C 2hr (%) | 0870 | 4.7851 | 0.48160 | 4.8035 | 0.27580 | 0.21315 | 25 | -0.07 | 0% | 0 |
| 011.01 | Loss on Drying, 135°C 2hr (%) | 0051 | 4.8000 | 0.56000 | 4.8035 | 0.27580 | 0.21315 | 25 | -0.01 | 0% | 0 |
| 011.01 | Loss on Drying, 135°C 2hr (%) | 0510 | 4.8000 | 0.00000 | 4.8035 | 0.27580 | 0.21315 | 25 | -0.01 | 0% | 0 |
| 011.01 | Loss on Drying, 135°C 2hr (%) | 0650 | 4.8150 | 0.09000 | 4.8035 | 0.27580 | 0.21315 | 25 | 0.04 | 0% | 0 |
| 011.01 | Loss on Drying, 135°C 2hr (%) | 0098 | 4.8200 | 0.26000 | 4.8035 | 0.27580 | 0.21315 | 25 | 0.06 | 0% | 0 |
| 011.01 | Loss on Drying, 135°C 2hr (%) | 0026 | 4.9000 | 0.20000 | 4.8035 | 0.27580 | 0.21315 | 25 | 0.35 | 1% | 0 |
| 011.01 | Loss on Drying, 135°C 2hr (%) | 0309 | 4.9850 | 0.21000 | 4.8035 | 0.27580 | 0.21315 | 25 | 0.66 | 2% | 0 |
| 011.01 | Loss on Drying, 135°C 2hr (%) | 2168 | 4.9850 | 0.21000 | 4.8035 | 0.27580 | 0.21315 | 25 | 0.66 | 2% | 0 |
| 011.01 | Loss on Drying, 135°C 2hr (%) | 0407 | 5.0136 | 0.12720 | 4.8035 | 0.27580 | 0.21315 | 25 | 0.76 | 2% | 0 |

Test Material Code # 201741

Method Proficiency Testing Report

Issue Date : 04/30/2017

| Method Code | Analyte Name and Method (Units) | Lab Code | Lab Data | | Method Values | | | | AAFCO PT | Threshold | Flag |
|-------------|--|----------|----------|---------|---------------|-----------|---------|--------|----------|-----------|------|
| | | | Value | Range | Rob Mean | Robust SD | R-bar | # Labs | Z Score | %RSD | |
| 011.01 | Loss on Drying, 135°C 2hr (%) | 0876 | 5.0450 | 0.07000 | 4.8035 | 0.27580 | 0.21315 | 25 | 0.88 | 3% | 0 |
| 011.01 | Loss on Drying, 135°C 2hr (%) | 2058 | 5.0450 | 0.15000 | 4.8035 | 0.27580 | 0.21315 | 25 | 0.88 | 3% | 0 |
| 011.01 | Loss on Drying, 135°C 2hr (%) | 0959 | 5.1300 | 0.06000 | 4.8035 | 0.27580 | 0.21315 | 25 | 1.18 | 3% | 0 |
| 011.01 | Loss on Drying, 135°C 2hr (%) | 0160 | 5.4450 | 0.31000 | 4.8035 | 0.27580 | 0.21315 | 25 | 2.33 | 7% | 0 |
| 011.01 | Loss on Drying, 135°C 2hr (%) | 1019 | 6.2850 | 0.07000 | 4.8035 | 0.27580 | 0.21315 | 25 | 5.37 | 15% | 0 |
| 011.01 | Loss on Drying, 135°C 2hr (%) | 2016 | 4.0500 | 1.6000 | 4.8035 | 0.27580 | 0.21315 | 25 | -2.73 | 8% | 1 |
| 011.02 | Loss on Drying, 130°C for 2 hours (%) | 0417 | 4.0100 | 0.20000 | | | | 3 | | | 0 |
| 011.02 | Loss on Drying, 130°C for 2 hours (%) | 2023 | 4.9800 | 0.06000 | | | | 3 | | | 0 |
| 011.02 | Loss on Drying, 130°C for 2 hours (%) | 2083 | 4.9800 | 0.00000 | | | | 3 | | | 0 |
| 011.03 | Loss on drying, 130°C, 1 hour, Flour (%) | 0808 | 4.0550 | 0.09000 | | | | 1 | | | 0 |
| 012.00 | Starch, Polarimetric (Ewers) (%) | 0164 | 5.0000 | 0.20000 | | | | 2 | | | 0 |
| 012.00 | Starch, Polarimetric (Ewers) (%) | 2023 | 5.2000 | 0.00000 | | | | 2 | | | 0 |
| 012.01 | Starch, Megazyme (%) | 0870 | 0.48950 | 0.06260 | 0.74488 | 0.25057 | 0.09565 | 4 | -0.86 | 12% | 0 |
| 012.01 | Starch, Megazyme (%) | 0676 | 0.60000 | 0.00000 | 0.74488 | 0.25057 | 0.09565 | 4 | -0.24 | 3% | 0 |
| 012.01 | Starch, Megazyme (%) | 2004 | 0.84000 | 0.02000 | 0.74488 | 0.25057 | 0.09565 | 4 | 1.10 | 15% | 0 |
| 012.01 | Starch, Megazyme (%) | 0164 | 1.0500 | 0.30000 | 0.74488 | 0.25057 | 0.09565 | 4 | 2.27 | 32% | 0 |
| 012.02 | Starch, Colorimetric (GOP) (%) | 2089 | 3.3250 | 0.73000 | | | | 1 | | | 0 |
| 012.03 | Starch, Enzymatic (%) | 0098 | 0.55000 | 0.10000 | | | | 2 | | | 0 |
| 012.03 | Starch, Enzymatic (%) | 0407 | 0.61500 | 0.03000 | | | | 2 | | | 0 |
| 012.04 | Starch, YSI Analyzer (%) | 0510 | 1.0500 | 0.10000 | | | | 2 | | | 0 |
| 012.04 | Starch, YSI Analyzer (%) | 0160 | 1.0550 | 0.49000 | | | | 2 | | | 0 |
| 013.00 | Fat, Acid hydrolysis (%) | 0970 | 10.150 | 0.10000 | 10.760 | 0.62577 | 0.25863 | 10 | -0.97 | 3% | 0 |
| 013.00 | Fat, Acid hydrolysis (%) | 2004 | 10.250 | 0.10000 | 10.760 | 0.62577 | 0.25863 | 10 | -0.81 | 2% | 0 |
| 013.00 | Fat, Acid hydrolysis (%) | 2167 | 10.425 | 0.43000 | 10.760 | 0.62577 | 0.25863 | 10 | -0.53 | 2% | 0 |
| 013.00 | Fat, Acid hydrolysis (%) | 0098 | 10.440 | 0.06000 | 10.760 | 0.62577 | 0.25863 | 10 | -0.51 | 1% | 0 |
| 013.00 | Fat, Acid hydrolysis (%) | 0309 | 10.443 | 0.75630 | 10.760 | 0.62577 | 0.25863 | 10 | -0.51 | 1% | 0 |
| 013.00 | Fat, Acid hydrolysis (%) | 0969 | 10.450 | 0.10000 | 10.760 | 0.62577 | 0.25863 | 10 | -0.49 | 1% | 0 |
| 013.00 | Fat, Acid hydrolysis (%) | 2156 | 10.985 | 0.05000 | 10.760 | 0.62577 | 0.25863 | 10 | 0.36 | 1% | 0 |
| 013.00 | Fat, Acid hydrolysis (%) | 2023 | 11.335 | 0.13000 | 10.760 | 0.62577 | 0.25863 | 10 | 0.92 | 3% | 0 |
| 013.00 | Fat, Acid hydrolysis (%) | 0202 | 11.420 | 0.18000 | 10.760 | 0.62577 | 0.25863 | 10 | 1.06 | 3% | 0 |
| 013.00 | Fat, Acid hydrolysis (%) | 2016 | 11.770 | 0.68000 | 10.760 | 0.62577 | 0.25863 | 10 | 1.61 | 5% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext (%) | 0808 | 9.9750 | 0.27000 | 11.065 | 0.38914 | 0.21832 | 13 | -2.80 | 5% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext (%) | 0650 | 10.775 | 0.51000 | 11.065 | 0.38914 | 0.21832 | 13 | -0.75 | 1% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext (%) | 0208 | 10.800 | 0.00000 | 11.065 | 0.38914 | 0.21832 | 13 | -0.68 | 1% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext (%) | 0074 | 10.840 | 0.24000 | 11.065 | 0.38914 | 0.21832 | 13 | -0.58 | 1% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext (%) | 0051 | 10.900 | 0.80000 | 11.065 | 0.38914 | 0.21832 | 13 | -0.42 | 1% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext (%) | 0870 | 10.905 | 0.36440 | 11.065 | 0.38914 | 0.21832 | 13 | -0.41 | 1% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext (%) | 0957 | 10.990 | 0.10000 | 11.065 | 0.38914 | 0.21832 | 13 | -0.19 | 0% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext (%) | 0959 | 11.035 | 0.21000 | 11.065 | 0.38914 | 0.21832 | 13 | -0.08 | 0% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext (%) | 0656 | 11.150 | 0.06000 | 11.065 | 0.38914 | 0.21832 | 13 | 0.22 | 0% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext (%) | 0164 | 11.280 | 0.08000 | 11.065 | 0.38914 | 0.21832 | 13 | 0.55 | 1% | 0 |

Test Material Code # 201741

Method Proficiency Testing Report

Issue Date : 04/30/2017

| Method Code | Analyte Name and Method (Units) | Lab Code | Lab Data | | Method Values | | | | AAFCO PT | Threshold | Flag |
|-------------|---|----------|----------|---------|---------------|-----------|---------|--------|----------|-----------|------|
| | | | Value | Range | Rob Mean | Robust SD | R-bar | # Labs | Z Score | %RSD | |
| 013.02 | Fat, Mojonnier, Bak Ext (%) | 0676 | 11.500 | 0.20000 | 11.065 | 0.38914 | 0.21832 | 13 | 1.12 | 2% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext (%) | 2122 | 11.540 | 0.00000 | 11.065 | 0.38914 | 0.21832 | 13 | 1.22 | 2% | 0 |
| 013.02 | Fat, Mojonnier, Bak Ext (%) | 0001 | 11.921 | 0.00380 | 11.065 | 0.38914 | 0.21832 | 13 | 2.20 | 4% | 0 |
| 013.10 | Fat, Soxtec-Acid Hydrolysis (%) | 0554 | 8.7400 | 0.28000 | 9.3500 | 0.99459 | 0.19500 | 4 | -0.61 | 3% | 0 |
| 013.10 | Fat, Soxtec-Acid Hydrolysis (%) | 2095 | 8.7400 | 0.28000 | 9.3500 | 0.99459 | 0.19500 | 4 | -0.61 | 3% | 0 |
| 013.10 | Fat, Soxtec-Acid Hydrolysis (%) | 2162 | 9.1000 | 0.12000 | 9.3500 | 0.99459 | 0.19500 | 4 | -0.25 | 1% | 0 |
| 013.10 | Fat, Soxtec-Acid Hydrolysis (%) | 2124 | 10.820 | 0.10000 | 9.3500 | 0.99459 | 0.19500 | 4 | 1.48 | 8% | 0 |
| 013.13 | Fat, Ankom- Acid Hydrolysis (%) | 0027 | 9.6680 | 0.54000 | | | | 2 | | | 0 |
| 013.13 | Fat, Ankom- Acid Hydrolysis (%) | 0042 | 11.545 | 0.83000 | | | | 2 | | | 0 |
| 014.99 | Fiber, total dietary TDF, Miscellaneous (%) | 0164 | 32.100 | 0.20000 | | | | 1 | | | 0 |
| 017.43 | Boron, ICP, Microwave (mg / kg (ppm)) | 0510 | 19.000 | 0.00000 | | | | 1 | | | 0 |
| 019.00 | Calcium, Ox-Mn04 Vol. (%) | 2115 | 0.88000 | 0.00000 | | | | 1 | | | 0 |
| 019.31 | Calcium, AAS, Dry ash (%) | 0529 | 0.64500 | 0.03000 | 0.75769 | 0.08269 | 0.03568 | 4 | -1.36 | 7% | 0 |
| 019.31 | Calcium, AAS, Dry ash (%) | 0001 | 0.75075 | 0.00270 | 0.75769 | 0.08269 | 0.03568 | 4 | -0.08 | 0% | 0 |
| 019.31 | Calcium, AAS, Dry ash (%) | 0650 | 0.80000 | 0.10000 | 0.75769 | 0.08269 | 0.03568 | 4 | 0.51 | 3% | 0 |
| 019.31 | Calcium, AAS, Dry ash (%) | 0656 | 0.83500 | 0.01000 | 0.75769 | 0.08269 | 0.03568 | 4 | 0.93 | 5% | 0 |
| 019.32 | Calcium, AAS, Open vessel (%) | 0504 | 0.81450 | 0.03100 | | | | 1 | | | 0 |
| 019.33 | Calcium, AAS, Microwave (%) | 0504 | 0.81050 | 0.04900 | | | | 1 | | | 0 |
| 019.41 | Calcium, ICP, Dry ash (%) | 0019 | 0.75500 | 0.05000 | 0.79966 | 0.03932 | 0.02617 | 9 | -1.14 | 3% | 0 |
| 019.41 | Calcium, ICP, Dry ash (%) | 0208 | 0.76400 | 0.01000 | 0.79966 | 0.03932 | 0.02617 | 9 | -0.91 | 2% | 0 |
| 019.41 | Calcium, ICP, Dry ash (%) | 0051 | 0.76575 | 0.02610 | 0.79966 | 0.03932 | 0.02617 | 9 | -0.86 | 2% | 0 |
| 019.41 | Calcium, ICP, Dry ash (%) | 0511 | 0.79500 | 0.05000 | 0.79966 | 0.03932 | 0.02617 | 9 | -0.12 | 0% | 0 |
| 019.41 | Calcium, ICP, Dry ash (%) | 0164 | 0.79500 | 0.00600 | 0.79966 | 0.03932 | 0.02617 | 9 | -0.12 | 0% | 0 |
| 019.41 | Calcium, ICP, Dry ash (%) | 0098 | 0.81000 | 0.02000 | 0.79966 | 0.03932 | 0.02617 | 9 | 0.26 | 1% | 0 |
| 019.41 | Calcium, ICP, Dry ash (%) | 0074 | 0.81500 | 0.01000 | 0.79966 | 0.03932 | 0.02617 | 9 | 0.39 | 1% | 0 |
| 019.41 | Calcium, ICP, Dry ash (%) | 0003 | 0.84500 | 0.05000 | 0.79966 | 0.03932 | 0.02617 | 9 | 1.15 | 3% | 0 |
| 019.41 | Calcium, ICP, Dry ash (%) | 0407 | 0.85220 | 0.01340 | 0.79966 | 0.03932 | 0.02617 | 9 | 1.34 | 3% | 0 |
| 019.42 | Calcium, ICP, Open vessel (%) | 0026 | 0.62500 | 0.03000 | 0.78327 | 0.12555 | 0.05077 | 6 | -1.26 | 10% | 0 |
| 019.42 | Calcium, ICP, Open vessel (%) | 2165 | 0.67500 | 0.03000 | 0.78327 | 0.12555 | 0.05077 | 6 | -0.86 | 7% | 0 |
| 019.42 | Calcium, ICP, Open vessel (%) | 0870 | 0.79245 | 0.03190 | 0.78327 | 0.12555 | 0.05077 | 6 | 0.07 | 1% | 0 |
| 019.42 | Calcium, ICP, Open vessel (%) | 0504 | 0.84200 | 0.03400 | 0.78327 | 0.12555 | 0.05077 | 6 | 0.47 | 4% | 0 |
| 019.42 | Calcium, ICP, Open vessel (%) | 0042 | 0.85750 | 0.05100 | 0.78327 | 0.12555 | 0.05077 | 6 | 0.59 | 5% | 0 |
| 019.42 | Calcium, ICP, Open vessel (%) | 0160 | 0.90765 | 0.12770 | 0.78327 | 0.12555 | 0.05077 | 6 | 0.99 | 8% | 0 |
| 019.43 | Calcium, ICP, Microwave (%) | 0202 | 0.72500 | 0.03000 | 0.80845 | 0.05471 | 0.01283 | 8 | -1.53 | 5% | 0 |
| 019.43 | Calcium, ICP, Microwave (%) | 0510 | 0.74500 | 0.01000 | 0.80845 | 0.05471 | 0.01283 | 8 | -1.16 | 4% | 0 |
| 019.43 | Calcium, ICP, Microwave (%) | 2136 | 0.79800 | 0.02000 | 0.80845 | 0.05471 | 0.01283 | 8 | -0.19 | 1% | 0 |
| 019.43 | Calcium, ICP, Microwave (%) | 0034 | 0.82210 | 0.01740 | 0.80845 | 0.05471 | 0.01283 | 8 | 0.25 | 1% | 0 |
| 019.43 | Calcium, ICP, Microwave (%) | 2124 | 0.83400 | 0.00400 | 0.80845 | 0.05471 | 0.01283 | 8 | 0.47 | 2% | 0 |
| 019.43 | Calcium, ICP, Microwave (%) | 0964 | 0.84210 | 0.00120 | 0.80845 | 0.05471 | 0.01283 | 8 | 0.62 | 2% | 0 |
| 019.43 | Calcium, ICP, Microwave (%) | 0098 | 0.85000 | 0.02000 | 0.80845 | 0.05471 | 0.01283 | 8 | 0.76 | 3% | 0 |
| 019.43 | Calcium, ICP, Microwave (%) | 2089 | 0.85000 | 0.00000 | 0.80845 | 0.05471 | 0.01283 | 8 | 0.76 | 3% | 0 |

Test Material Code # 201741

Method Proficiency Testing Report

Issue Date : 04/30/2017

| Method Code | Analyte Name and Method (Units) | Lab Code | Lab Data | | Method Values | | | | AAFCO PT | Threshold | Flag |
|-------------|---|----------|----------|---------|---------------|-----------|---------|--------|----------|-----------|------|
| | | | Value | Range | Rob Mean | Robust SD | R-bar | # Labs | Z Score | %RSD | |
| 019.44 | Calcium, ICP, Dry ash (%) | 2114 | 0.76855 | 0.02370 | 0.80581 | 0.03972 | 0.01414 | 5 | -0.94 | 2% | 0 |
| 019.44 | Calcium, ICP, Dry ash (%) | 0969 | 0.78000 | 0.01400 | 0.80581 | 0.03972 | 0.01414 | 5 | -0.65 | 2% | 0 |
| 019.44 | Calcium, ICP, Dry ash (%) | 0970 | 0.79150 | 0.01500 | 0.80581 | 0.03972 | 0.01414 | 5 | -0.36 | 1% | 0 |
| 019.44 | Calcium, ICP, Dry ash (%) | 2004 | 0.82150 | 0.00700 | 0.80581 | 0.03972 | 0.01414 | 5 | 0.40 | 1% | 0 |
| 019.44 | Calcium, ICP, Dry ash (%) | 2023 | 0.86750 | 0.01100 | 0.80581 | 0.03972 | 0.01414 | 5 | 1.55 | 4% | 0 |
| 019.52 | Calcium, ICP-MS, Open vessel (%) | 0047 | 0.78300 | 0.00000 | | | | 1 | | | 0 |
| 021.43 | Cobalt, ICP, Microwave (mg / kg (ppm)) | 0510 | 0.17000 | 0.00000 | | | | 1 | | | 0 |
| 022.31 | Copper, AAS, Dry ash (mg / kg (ppm)) | 0529 | 7.1900 | 0.62000 | | | | 1 | | | 0 |
| 022.31 | Copper, AAS, Dry ash (mg / kg (ppm)) | 0656 | 0.00000 | 0.00000 | | | | 1 | | | 4 |
| 022.32 | Copper, AAS, Open vessel (mg / kg (ppm)) | 0504 | 5.8800 | 0.22000 | | | | 1 | | | 0 |
| 022.41 | Copper, ICP, Dry ash (mg / kg (ppm)) | 0407 | 5.1537 | 0.18160 | 6.0357 | 0.74581 | 0.31140 | 9 | -1.18 | 7% | 0 |
| 022.41 | Copper, ICP, Dry ash (mg / kg (ppm)) | 0208 | 5.2585 | 0.43100 | 6.0357 | 0.74581 | 0.31140 | 9 | -1.04 | 6% | 0 |
| 022.41 | Copper, ICP, Dry ash (mg / kg (ppm)) | 0164 | 5.4000 | 0.00000 | 6.0357 | 0.74581 | 0.31140 | 9 | -0.85 | 5% | 0 |
| 022.41 | Copper, ICP, Dry ash (mg / kg (ppm)) | 0511 | 6.0000 | 0.00000 | 6.0357 | 0.74581 | 0.31140 | 9 | -0.05 | 0% | 0 |
| 022.41 | Copper, ICP, Dry ash (mg / kg (ppm)) | 0051 | 6.1800 | 0.26000 | 6.0357 | 0.74581 | 0.31140 | 9 | 0.19 | 1% | 0 |
| 022.41 | Copper, ICP, Dry ash (mg / kg (ppm)) | 0019 | 6.3000 | 0.72000 | 6.0357 | 0.74581 | 0.31140 | 9 | 0.35 | 2% | 0 |
| 022.41 | Copper, ICP, Dry ash (mg / kg (ppm)) | 0098 | 6.3750 | 0.21000 | 6.0357 | 0.74581 | 0.31140 | 9 | 0.45 | 3% | 0 |
| 022.41 | Copper, ICP, Dry ash (mg / kg (ppm)) | 0074 | 6.5000 | 1.0000 | 6.0357 | 0.74581 | 0.31140 | 9 | 0.62 | 4% | 0 |
| 022.41 | Copper, ICP, Dry ash (mg / kg (ppm)) | 0003 | 9.0000 | 0.00000 | 6.0357 | 0.74581 | 0.31140 | 9 | 3.97 | 25% | 0 |
| 022.42 | Copper, ICP, Open vessel (mg / kg (ppm)) | 0870 | 5.4740 | 0.18000 | 6.2435 | 0.90820 | 0.28000 | 4 | -0.85 | 6% | 0 |
| 022.42 | Copper, ICP, Open vessel (mg / kg (ppm)) | 0160 | 5.8500 | 0.50000 | 6.2435 | 0.90820 | 0.28000 | 4 | -0.43 | 3% | 0 |
| 022.42 | Copper, ICP, Open vessel (mg / kg (ppm)) | 2165 | 6.1000 | 0.00000 | 6.2435 | 0.90820 | 0.28000 | 4 | -0.16 | 1% | 0 |
| 022.42 | Copper, ICP, Open vessel (mg / kg (ppm)) | 0042 | 7.5500 | 0.44000 | 6.2435 | 0.90820 | 0.28000 | 4 | 1.44 | 10% | 0 |
| 022.43 | Copper, ICP, Microwave (mg / kg (ppm)) | 0510 | 5.5000 | 1.0000 | 5.9161 | 0.51378 | 0.53878 | 6 | -0.81 | 4% | 0 |
| 022.43 | Copper, ICP, Microwave (mg / kg (ppm)) | 2089 | 5.6100 | 1.3800 | 5.9161 | 0.51378 | 0.53878 | 6 | -0.60 | 3% | 0 |
| 022.43 | Copper, ICP, Microwave (mg / kg (ppm)) | 2124 | 5.6445 | 0.05700 | 5.9161 | 0.51378 | 0.53878 | 6 | -0.53 | 2% | 0 |
| 022.43 | Copper, ICP, Microwave (mg / kg (ppm)) | 0098 | 5.8450 | 0.15000 | 5.9161 | 0.51378 | 0.53878 | 6 | -0.14 | 1% | 0 |
| 022.43 | Copper, ICP, Microwave (mg / kg (ppm)) | 0964 | 6.2106 | 0.34570 | 5.9161 | 0.51378 | 0.53878 | 6 | 0.57 | 2% | 0 |
| 022.43 | Copper, ICP, Microwave (mg / kg (ppm)) | 0202 | 7.2500 | 0.30000 | 5.9161 | 0.51378 | 0.53878 | 6 | 2.60 | 11% | 0 |
| 022.44 | Copper, ICP, Dry ash (mg / kg (ppm)) | 0969 | 4.5500 | 0.46000 | 5.3860 | 0.57581 | 0.17580 | 4 | -1.45 | 8% | 0 |
| 022.44 | Copper, ICP, Dry ash (mg / kg (ppm)) | 2114 | 5.4638 | 0.04320 | 5.3860 | 0.57581 | 0.17580 | 4 | 0.14 | 1% | 0 |
| 022.44 | Copper, ICP, Dry ash (mg / kg (ppm)) | 2004 | 5.7300 | 0.16000 | 5.3860 | 0.57581 | 0.17580 | 4 | 0.60 | 3% | 0 |
| 022.44 | Copper, ICP, Dry ash (mg / kg (ppm)) | 0970 | 5.8000 | 0.04000 | 5.3860 | 0.57581 | 0.17580 | 4 | 0.72 | 4% | 0 |
| 022.52 | Copper, ICP-MS, Open vessel (mg / kg (ppm)) | 0047 | 6.0700 | 0.02000 | | | | 1 | | | 0 |
| 022.53 | Copper, ICP-MS, Microwave (mg / kg (ppm)) | 2136 | 5.8150 | 0.03000 | | | | 2 | | | 0 |
| 022.53 | Copper, ICP-MS, Microwave (mg / kg (ppm)) | 2023 | 6.6350 | 0.23000 | | | | 2 | | | 0 |
| 024.99 | Iodine, Miscellaneous (mg / kg (ppm)) | 0969 | 0.00000 | 0.00000 | | | | 0 | | | 4 |
| 024.99 | Iodine, Miscellaneous (mg / kg (ppm)) | 0970 | 0.00000 | 0.00000 | | | | 0 | | | 4 |
| 025.31 | Iron, AAS, Dry ash (mg / kg (ppm)) | 0529 | 91.215 | 4.8300 | | | | 2 | | | 0 |
| 025.31 | Iron, AAS, Dry ash (mg / kg (ppm)) | 0001 | 108.75 | 5.5000 | | | | 2 | | | 0 |
| 025.32 | Iron, AAS, Open vessel (mg / kg (ppm)) | 0656 | 82.585 | 3.4100 | | | | 2 | | | 0 |

Test Material Code # 201741

Method Proficiency Testing Report

Issue Date : 04/30/2017

| Method Code | Analyte Name and Method (Units) | Lab Code | Lab Data | | Method Values | | | | AAFCO PT Z Score | Threshold %RSD | Flag |
|-------------|---|----------|----------|---------|---------------|-----------|---------|--------|------------------|----------------|------|
| | | | Value | Range | Rob Mean | Robust SD | R-bar | # Labs | | | |
| 025.32 | Iron, AAS, Open vessel (mg / kg (ppm)) | 0504 | 101.40 | 2.8000 | | | | 2 | | | 0 |
| 025.33 | Iron, AAS, Microwave (mg / kg (ppm)) | 0504 | 103.26 | 12.280 | | | | 1 | | | 0 |
| 025.41 | Iron, ICP, Dry ash (mg / kg (ppm)) | 0511 | 92.500 | 1.0000 | 100.22 | 6.5878 | 3.0748 | 13 | -1.17 | 4% | 0 |
| 025.41 | Iron, ICP, Dry ash (mg / kg (ppm)) | 0051 | 93.500 | 1.0000 | 100.22 | 6.5878 | 3.0748 | 13 | -1.02 | 3% | 0 |
| 025.41 | Iron, ICP, Dry ash (mg / kg (ppm)) | 0164 | 95.500 | 1.0000 | 100.22 | 6.5878 | 3.0748 | 13 | -0.72 | 2% | 0 |
| 025.41 | Iron, ICP, Dry ash (mg / kg (ppm)) | 0970 | 96.300 | 2.0000 | 100.22 | 6.5878 | 3.0748 | 13 | -0.60 | 2% | 0 |
| 025.41 | Iron, ICP, Dry ash (mg / kg (ppm)) | 0969 | 97.500 | 1.4000 | 100.22 | 6.5878 | 3.0748 | 13 | -0.41 | 1% | 0 |
| 025.41 | Iron, ICP, Dry ash (mg / kg (ppm)) | 0019 | 98.375 | 6.4500 | 100.22 | 6.5878 | 3.0748 | 13 | -0.28 | 1% | 0 |
| 025.41 | Iron, ICP, Dry ash (mg / kg (ppm)) | 2114 | 99.214 | 3.7904 | 100.22 | 6.5878 | 3.0748 | 13 | -0.15 | 1% | 0 |
| 025.41 | Iron, ICP, Dry ash (mg / kg (ppm)) | 0074 | 99.500 | 3.0000 | 100.22 | 6.5878 | 3.0748 | 13 | -0.11 | 0% | 0 |
| 025.41 | Iron, ICP, Dry ash (mg / kg (ppm)) | 2004 | 99.750 | 0.50000 | 100.22 | 6.5878 | 3.0748 | 13 | -0.07 | 0% | 0 |
| 025.41 | Iron, ICP, Dry ash (mg / kg (ppm)) | 0098 | 103.95 | 1.9000 | 100.22 | 6.5878 | 3.0748 | 13 | 0.57 | 2% | 0 |
| 025.41 | Iron, ICP, Dry ash (mg / kg (ppm)) | 0208 | 106.60 | 6.0000 | 100.22 | 6.5878 | 3.0748 | 13 | 0.97 | 3% | 0 |
| 025.41 | Iron, ICP, Dry ash (mg / kg (ppm)) | 0407 | 123.42 | 9.9320 | 100.22 | 6.5878 | 3.0748 | 13 | 3.52 | 12% | 0 |
| 025.41 | Iron, ICP, Dry ash (mg / kg (ppm)) | 0003 | 128.00 | 2.0000 | 100.22 | 6.5878 | 3.0748 | 13 | 4.22 | 14% | 0 |
| 025.42 | Iron, ICP, Open vessel (mg / kg (ppm)) | 0026 | 67.500 | 5.0000 | 89.997 | 15.317 | 3.9260 | 5 | -1.47 | 12% | 0 |
| 025.42 | Iron, ICP, Open vessel (mg / kg (ppm)) | 2165 | 85.000 | 2.0000 | 89.997 | 15.317 | 3.9260 | 5 | -0.33 | 3% | 0 |
| 025.42 | Iron, ICP, Open vessel (mg / kg (ppm)) | 0870 | 89.385 | 6.8300 | 89.997 | 15.317 | 3.9260 | 5 | -0.04 | 0% | 0 |
| 025.42 | Iron, ICP, Open vessel (mg / kg (ppm)) | 0160 | 101.60 | 4.8000 | 89.997 | 15.317 | 3.9260 | 5 | 0.76 | 6% | 0 |
| 025.42 | Iron, ICP, Open vessel (mg / kg (ppm)) | 0042 | 106.50 | 1.0000 | 89.997 | 15.317 | 3.9260 | 5 | 1.08 | 9% | 0 |
| 025.43 | Iron, ICP, Microwave (mg / kg (ppm)) | 0510 | 85.000 | 0.00000 | 99.822 | 10.730 | 1.1454 | 7 | -1.38 | 7% | 0 |
| 025.43 | Iron, ICP, Microwave (mg / kg (ppm)) | 2124 | 96.220 | 0.01100 | 99.822 | 10.730 | 1.1454 | 7 | -0.34 | 2% | 0 |
| 025.43 | Iron, ICP, Microwave (mg / kg (ppm)) | 0027 | 96.515 | 0.49800 | 99.822 | 10.730 | 1.1454 | 7 | -0.31 | 2% | 0 |
| 025.43 | Iron, ICP, Microwave (mg / kg (ppm)) | 2136 | 99.200 | 1.6000 | 99.822 | 10.730 | 1.1454 | 7 | -0.06 | 0% | 0 |
| 025.43 | Iron, ICP, Microwave (mg / kg (ppm)) | 2023 | 100.25 | 1.5000 | 99.822 | 10.730 | 1.1454 | 7 | 0.04 | 0% | 0 |
| 025.43 | Iron, ICP, Microwave (mg / kg (ppm)) | 0098 | 105.65 | 0.30000 | 99.822 | 10.730 | 1.1454 | 7 | 0.54 | 3% | 0 |
| 025.43 | Iron, ICP, Microwave (mg / kg (ppm)) | 0964 | 144.22 | 4.1090 | 99.822 | 10.730 | 1.1454 | 7 | 4.14 | 22% | 0 |
| 025.43 | Iron, ICP, Microwave (mg / kg (ppm)) | 2089 | 127.38 | 22.280 | 99.822 | 10.730 | 1.1454 | 7 | 2.57 | 14% | 1 |
| 025.52 | Iron, ICP-MS, Open vessel (mg / kg (ppm)) | 0047 | 102.04 | 2.7100 | | | | 1 | | | 0 |
| 027.31 | Magnesium, AAS, Dry ash (%) | 0001 | 0.43270 | 0.00300 | 0.49436 | 0.04647 | 0.04588 | 4 | -1.33 | 6% | 0 |
| 027.31 | Magnesium, AAS, Dry ash (%) | 0650 | 0.49475 | 0.04050 | 0.49436 | 0.04647 | 0.04588 | 4 | 0.01 | 0% | 0 |
| 027.31 | Magnesium, AAS, Dry ash (%) | 0656 | 0.50500 | 0.01000 | 0.49436 | 0.04647 | 0.04588 | 4 | 0.23 | 1% | 0 |
| 027.31 | Magnesium, AAS, Dry ash (%) | 0529 | 0.54500 | 0.13000 | 0.49436 | 0.04647 | 0.04588 | 4 | 1.09 | 5% | 0 |
| 027.32 | Magnesium, AAS, Open vessel (%) | 0504 | 0.50850 | 0.00900 | | | | 1 | | | 0 |
| 027.33 | Magnesium, AAS, Microwave (%) | 0504 | 0.40600 | 0.04400 | | | | 1 | | | 0 |
| 027.41 | Magnesium, ICP, Dry ash (%) | 0051 | 0.47280 | 0.01500 | 0.48657 | 0.01185 | 0.01296 | 9 | -1.16 | 1% | 0 |
| 027.41 | Magnesium, ICP, Dry ash (%) | 0003 | 0.47500 | 0.01000 | 0.48657 | 0.01185 | 0.01296 | 9 | -0.98 | 1% | 0 |
| 027.41 | Magnesium, ICP, Dry ash (%) | 0019 | 0.47500 | 0.01000 | 0.48657 | 0.01185 | 0.01296 | 9 | -0.98 | 1% | 0 |
| 027.41 | Magnesium, ICP, Dry ash (%) | 0164 | 0.48550 | 0.00300 | 0.48657 | 0.01185 | 0.01296 | 9 | -0.09 | 0% | 0 |
| 027.41 | Magnesium, ICP, Dry ash (%) | 0407 | 0.48780 | 0.00860 | 0.48657 | 0.01185 | 0.01296 | 9 | 0.10 | 0% | 0 |
| 027.41 | Magnesium, ICP, Dry ash (%) | 0511 | 0.49000 | 0.02000 | 0.48657 | 0.01185 | 0.01296 | 9 | 0.29 | 0% | 0 |

Test Material Code # 201741

Method Proficiency Testing Report

Issue Date : 04/30/2017

| Method Code | Analyte Name and Method (Units) | Lab Code | Lab Data | | Method Values | | | | AAFCO PT | Threshold | Flag |
|-------------|---|----------|----------|---------|---------------|-----------|---------|--------|----------|-----------|------|
| | | | Value | Range | Rob Mean | Robust SD | R-bar | # Labs | Z Score | %RSD | |
| 027.41 | Magnesium, ICP, Dry ash (%) | 0208 | 0.49300 | 0.03000 | 0.48657 | 0.01185 | 0.01296 | 9 | 0.54 | 1% | 0 |
| 027.41 | Magnesium, ICP, Dry ash (%) | 0074 | 0.50000 | 0.00000 | 0.48657 | 0.01185 | 0.01296 | 9 | 1.13 | 1% | 0 |
| 027.41 | Magnesium, ICP, Dry ash (%) | 0098 | 0.50000 | 0.02000 | 0.48657 | 0.01185 | 0.01296 | 9 | 1.13 | 1% | 0 |
| 027.42 | Magnesium, ICP, Open vessel (%) | 2165 | 0.43500 | 0.01000 | 0.49497 | 0.04427 | 0.02446 | 5 | -1.35 | 6% | 0 |
| 027.42 | Magnesium, ICP, Open vessel (%) | 0870 | 0.47770 | 0.00380 | 0.49497 | 0.04427 | 0.02446 | 5 | -0.39 | 2% | 0 |
| 027.42 | Magnesium, ICP, Open vessel (%) | 0026 | 0.49000 | 0.06000 | 0.49497 | 0.04427 | 0.02446 | 5 | -0.11 | 1% | 0 |
| 027.42 | Magnesium, ICP, Open vessel (%) | 0160 | 0.51965 | 0.02550 | 0.49497 | 0.04427 | 0.02446 | 5 | 0.56 | 2% | 0 |
| 027.42 | Magnesium, ICP, Open vessel (%) | 0042 | 0.55250 | 0.02300 | 0.49497 | 0.04427 | 0.02446 | 5 | 1.30 | 6% | 0 |
| 027.43 | Magnesium, ICP, Microwave (%) | 0510 | 0.46000 | 0.00000 | 0.49833 | 0.01910 | 0.01347 | 9 | -2.01 | 4% | 0 |
| 027.43 | Magnesium, ICP, Microwave (%) | 0202 | 0.47500 | 0.01000 | 0.49833 | 0.01910 | 0.01347 | 9 | -1.22 | 2% | 0 |
| 027.43 | Magnesium, ICP, Microwave (%) | 0098 | 0.49500 | 0.01000 | 0.49833 | 0.01910 | 0.01347 | 9 | -0.17 | 0% | 0 |
| 027.43 | Magnesium, ICP, Microwave (%) | 0034 | 0.49745 | 0.00370 | 0.49833 | 0.01910 | 0.01347 | 9 | -0.05 | 0% | 0 |
| 027.43 | Magnesium, ICP, Microwave (%) | 2089 | 0.50000 | 0.00000 | 0.49833 | 0.01910 | 0.01347 | 9 | 0.09 | 0% | 0 |
| 027.43 | Magnesium, ICP, Microwave (%) | 0964 | 0.50585 | 0.01750 | 0.49833 | 0.01910 | 0.01347 | 9 | 0.39 | 1% | 0 |
| 027.43 | Magnesium, ICP, Microwave (%) | 0027 | 0.50600 | 0.03800 | 0.49833 | 0.01910 | 0.01347 | 9 | 0.40 | 1% | 0 |
| 027.43 | Magnesium, ICP, Microwave (%) | 2124 | 0.51800 | 0.00200 | 0.49833 | 0.01910 | 0.01347 | 9 | 1.03 | 2% | 0 |
| 027.43 | Magnesium, ICP, Microwave (%) | 2136 | 0.51800 | 0.04000 | 0.49833 | 0.01910 | 0.01347 | 9 | 1.03 | 2% | 0 |
| 027.44 | Magnesium, ICP, Dry ash (%) | 0969 | 0.49550 | 0.00700 | 0.51089 | 0.01217 | 0.00742 | 5 | -1.27 | 2% | 0 |
| 027.44 | Magnesium, ICP, Dry ash (%) | 0970 | 0.50550 | 0.00100 | 0.51089 | 0.01217 | 0.00742 | 5 | -0.44 | 1% | 0 |
| 027.44 | Magnesium, ICP, Dry ash (%) | 2114 | 0.50795 | 0.01210 | 0.51089 | 0.01217 | 0.00742 | 5 | -0.24 | 0% | 0 |
| 027.44 | Magnesium, ICP, Dry ash (%) | 2004 | 0.51850 | 0.00700 | 0.51089 | 0.01217 | 0.00742 | 5 | 0.63 | 1% | 0 |
| 027.44 | Magnesium, ICP, Dry ash (%) | 2023 | 0.52700 | 0.01000 | 0.51089 | 0.01217 | 0.00742 | 5 | 1.32 | 2% | 0 |
| 027.52 | Magnesium, ICP-MS, Open vessel (%) | 0047 | 0.52600 | 0.03800 | | | | 1 | | | 0 |
| 028.31 | Manganese, AAS, Dry ash (mg / kg (ppm)) | 0656 | 52.810 | 28.720 | | | | 2 | | | 0 |
| 028.31 | Manganese, AAS, Dry ash (mg / kg (ppm)) | 0529 | 64.755 | 4.2500 | | | | 2 | | | 0 |
| 028.32 | Manganese, AAS, Open vessel (mg / kg (ppm)) | 0504 | 78.375 | 1.5700 | | | | 1 | | | 0 |
| 028.33 | Manganese, AAS, Microwave (mg / kg (ppm)) | 0504 | 79.470 | 3.9000 | | | | 1 | | | 0 |
| 028.41 | Manganese, ICP, Dry ash (mg / kg (ppm)) | 0003 | 70.000 | 4.0000 | 76.715 | 2.6935 | 1.2726 | 9 | -2.49 | 4% | 0 |
| 028.41 | Manganese, ICP, Dry ash (mg / kg (ppm)) | 0019 | 73.860 | 0.42000 | 76.715 | 2.6935 | 1.2726 | 9 | -1.06 | 2% | 0 |
| 028.41 | Manganese, ICP, Dry ash (mg / kg (ppm)) | 0164 | 76.000 | 0.00000 | 76.715 | 2.6935 | 1.2726 | 9 | -0.27 | 0% | 0 |
| 028.41 | Manganese, ICP, Dry ash (mg / kg (ppm)) | 0511 | 76.000 | 0.00000 | 76.715 | 2.6935 | 1.2726 | 9 | -0.27 | 0% | 0 |
| 028.41 | Manganese, ICP, Dry ash (mg / kg (ppm)) | 0208 | 76.920 | 3.7000 | 76.715 | 2.6935 | 1.2726 | 9 | 0.08 | 0% | 0 |
| 028.41 | Manganese, ICP, Dry ash (mg / kg (ppm)) | 0051 | 77.250 | 1.0400 | 76.715 | 2.6935 | 1.2726 | 9 | 0.20 | 0% | 0 |
| 028.41 | Manganese, ICP, Dry ash (mg / kg (ppm)) | 0074 | 79.000 | 0.00000 | 76.715 | 2.6935 | 1.2726 | 9 | 0.85 | 1% | 0 |
| 028.41 | Manganese, ICP, Dry ash (mg / kg (ppm)) | 0098 | 79.230 | 0.52000 | 76.715 | 2.6935 | 1.2726 | 9 | 0.93 | 2% | 0 |
| 028.41 | Manganese, ICP, Dry ash (mg / kg (ppm)) | 0407 | 79.501 | 1.7736 | 76.715 | 2.6935 | 1.2726 | 9 | 1.03 | 2% | 0 |
| 028.42 | Manganese, ICP, Open vessel (mg / kg (ppm)) | 0026 | 57.500 | 15.000 | 73.787 | 10.880 | 5.7300 | 5 | -1.50 | 11% | 0 |
| 028.42 | Manganese, ICP, Open vessel (mg / kg (ppm)) | 0870 | 69.085 | 2.1500 | 73.787 | 10.880 | 5.7300 | 5 | -0.43 | 3% | 0 |
| 028.42 | Manganese, ICP, Open vessel (mg / kg (ppm)) | 2165 | 76.000 | 6.0000 | 73.787 | 10.880 | 5.7300 | 5 | 0.20 | 1% | 0 |
| 028.42 | Manganese, ICP, Open vessel (mg / kg (ppm)) | 0160 | 81.600 | 5.2000 | 73.787 | 10.880 | 5.7300 | 5 | 0.72 | 5% | 0 |
| 028.42 | Manganese, ICP, Open vessel (mg / kg (ppm)) | 0042 | 84.750 | 0.30000 | 73.787 | 10.880 | 5.7300 | 5 | 1.01 | 7% | 0 |

| Method Code | Analyte Name and Method (Units) | Lab Code | Lab Data | | Method Values | | | | AAFCO PT | Threshold | Flag |
|-------------|--|----------|----------|---------|---------------|-----------|---------|--------|----------|-----------|------|
| | | | Value | Range | Rob Mean | Robust SD | R-bar | # Labs | Z Score | %RSD | |
| 028.43 | Manganese, ICP, Microwave (mg / kg (ppm)) | 0510 | 69.000 | 0.00000 | 78.182 | 6.4085 | 0.39512 | 6 | -1.43 | 6% | 0 |
| 028.43 | Manganese, ICP, Microwave (mg / kg (ppm)) | 0202 | 74.610 | 0.20000 | 78.182 | 6.4085 | 0.39512 | 6 | -0.56 | 2% | 0 |
| 028.43 | Manganese, ICP, Microwave (mg / kg (ppm)) | 2089 | 77.630 | 1.2400 | 78.182 | 6.4085 | 0.39512 | 6 | -0.09 | 0% | 0 |
| 028.43 | Manganese, ICP, Microwave (mg / kg (ppm)) | 0098 | 81.300 | 0.58000 | 78.182 | 6.4085 | 0.39512 | 6 | 0.49 | 2% | 0 |
| 028.43 | Manganese, ICP, Microwave (mg / kg (ppm)) | 0964 | 82.684 | 0.09270 | 78.182 | 6.4085 | 0.39512 | 6 | 0.70 | 3% | 0 |
| 028.43 | Manganese, ICP, Microwave (mg / kg (ppm)) | 2124 | 83.867 | 0.25800 | 78.182 | 6.4085 | 0.39512 | 6 | 0.89 | 4% | 0 |
| 028.43 | Manganese, ICP, Microwave (mg / kg (ppm)) | 0027 | 84.588 | 4.6270 | 78.182 | 6.4085 | 0.39512 | 6 | 1.00 | 4% | 1 |
| 028.44 | Manganese, ICP, Dry ash (mg / kg (ppm)) | 2114 | 73.266 | 6.7013 | 77.763 | 4.0013 | 2.2003 | 5 | -1.56 | 4% | 0 |
| 028.44 | Manganese, ICP, Dry ash (mg / kg (ppm)) | 0969 | 75.850 | 2.1000 | 77.763 | 4.0013 | 2.2003 | 5 | -0.85 | 2% | 0 |
| 028.44 | Manganese, ICP, Dry ash (mg / kg (ppm)) | 0970 | 76.600 | 1.0000 | 77.763 | 4.0013 | 2.2003 | 5 | -0.64 | 1% | 0 |
| 028.44 | Manganese, ICP, Dry ash (mg / kg (ppm)) | 2004 | 79.300 | 0.20000 | 77.763 | 4.0013 | 2.2003 | 5 | 0.11 | 0% | 0 |
| 028.44 | Manganese, ICP, Dry ash (mg / kg (ppm)) | 2023 | 83.800 | 1.0000 | 77.763 | 4.0013 | 2.2003 | 5 | 1.37 | 3% | 0 |
| 028.52 | Manganese, ICP-MS, Open vessel (mg / kg (ppm)) | 0047 | 81.140 | 1.9600 | | | | 1 | | | 0 |
| 028.53 | Manganese, ICP-MS, Microwave (mg / kg (ppm)) | 2136 | 79.350 | 2.9000 | | | | 1 | | | 0 |
| 031.01 | Phosphorus, Photometric (%) | 2115 | 1.1250 | 0.01000 | 1.1530 | 0.02820 | 0.02200 | 5 | -0.99 | 1% | 0 |
| 031.01 | Phosphorus, Photometric (%) | 0650 | 1.1400 | 0.02000 | 1.1530 | 0.02820 | 0.02200 | 5 | -0.46 | 1% | 0 |
| 031.01 | Phosphorus, Photometric (%) | 0511 | 1.1500 | 0.02000 | 1.1530 | 0.02820 | 0.02200 | 5 | -0.11 | 0% | 0 |
| 031.01 | Phosphorus, Photometric (%) | 0529 | 1.1500 | 0.06000 | 1.1530 | 0.02820 | 0.02200 | 5 | -0.11 | 0% | 0 |
| 031.01 | Phosphorus, Photometric (%) | 0656 | 1.2000 | 0.00000 | 1.1530 | 0.02820 | 0.02200 | 5 | 1.67 | 2% | 0 |
| 031.03 | Phosphorus, Autoanalyzer (%) | 0001 | 1.1380 | 0.01000 | | | | 2 | | | 0 |
| 031.03 | Phosphorus, Autoanalyzer (%) | 0504 | 1.1500 | 0.00000 | | | | 2 | | | 0 |
| 031.41 | Phosphorus, ICP, Dry ash (%) | 0019 | 1.0700 | 0.08000 | 1.1637 | 0.04985 | 0.02739 | 8 | -1.88 | 4% | 0 |
| 031.41 | Phosphorus, ICP, Dry ash (%) | 0003 | 1.1350 | 0.01000 | 1.1637 | 0.04985 | 0.02739 | 8 | -0.58 | 1% | 0 |
| 031.41 | Phosphorus, ICP, Dry ash (%) | 0098 | 1.1535 | 0.01900 | 1.1637 | 0.04985 | 0.02739 | 8 | -0.20 | 0% | 0 |
| 031.41 | Phosphorus, ICP, Dry ash (%) | 0208 | 1.1540 | 0.02600 | 1.1637 | 0.04985 | 0.02739 | 8 | -0.19 | 0% | 0 |
| 031.41 | Phosphorus, ICP, Dry ash (%) | 0051 | 1.1675 | 0.05360 | 1.1637 | 0.04985 | 0.02739 | 8 | 0.08 | 0% | 0 |
| 031.41 | Phosphorus, ICP, Dry ash (%) | 0164 | 1.1700 | 0.00000 | 1.1637 | 0.04985 | 0.02739 | 8 | 0.13 | 0% | 0 |
| 031.41 | Phosphorus, ICP, Dry ash (%) | 0074 | 1.2050 | 0.01000 | 1.1637 | 0.04985 | 0.02739 | 8 | 0.83 | 2% | 0 |
| 031.41 | Phosphorus, ICP, Dry ash (%) | 0407 | 1.2355 | 0.02050 | 1.1637 | 0.04985 | 0.02739 | 8 | 1.44 | 3% | 0 |
| 031.42 | Phosphorus, ICP, Open vessel (%) | 0026 | 0.87500 | 0.01000 | 1.0636 | 0.14407 | 0.02262 | 6 | -1.31 | 9% | 0 |
| 031.42 | Phosphorus, ICP, Open vessel (%) | 2165 | 0.95500 | 0.07000 | 1.0636 | 0.14407 | 0.02262 | 6 | -0.75 | 5% | 0 |
| 031.42 | Phosphorus, ICP, Open vessel (%) | 0870 | 1.0600 | 0.00400 | 1.0636 | 0.14407 | 0.02262 | 6 | -0.03 | 0% | 0 |
| 031.42 | Phosphorus, ICP, Open vessel (%) | 0160 | 1.1334 | 0.03470 | 1.0636 | 0.14407 | 0.02262 | 6 | 0.48 | 3% | 0 |
| 031.42 | Phosphorus, ICP, Open vessel (%) | 0042 | 1.1500 | 0.00000 | 1.0636 | 0.14407 | 0.02262 | 6 | 0.60 | 4% | 0 |
| 031.42 | Phosphorus, ICP, Open vessel (%) | 0504 | 1.2085 | 0.01700 | 1.0636 | 0.14407 | 0.02262 | 6 | 1.01 | 7% | 0 |
| 031.43 | Phosphorus, ICP, Microwave (%) | 0202 | 1.0750 | 0.03000 | 1.1535 | 0.05376 | 0.03758 | 8 | -1.46 | 3% | 0 |
| 031.43 | Phosphorus, ICP, Microwave (%) | 0510 | 1.1000 | 0.04000 | 1.1535 | 0.05376 | 0.03758 | 8 | -1.00 | 2% | 0 |
| 031.43 | Phosphorus, ICP, Microwave (%) | 2089 | 1.1300 | 0.02000 | 1.1535 | 0.05376 | 0.03758 | 8 | -0.44 | 1% | 0 |
| 031.43 | Phosphorus, ICP, Microwave (%) | 0034 | 1.1625 | 0.09720 | 1.1535 | 0.05376 | 0.03758 | 8 | 0.17 | 0% | 0 |
| 031.43 | Phosphorus, ICP, Microwave (%) | 0027 | 1.1745 | 0.04900 | 1.1535 | 0.05376 | 0.03758 | 8 | 0.39 | 1% | 0 |
| 031.43 | Phosphorus, ICP, Microwave (%) | 2124 | 1.1805 | 0.00900 | 1.1535 | 0.05376 | 0.03758 | 8 | 0.50 | 1% | 0 |

Test Material Code # 201741

Method Proficiency Testing Report

Issue Date : 04/30/2017

| Method Code | Analyte Name and Method (Units) | Lab Code | Lab Data | | Method Values | | | | AAFCO PT | Threshold | Flag |
|-------------|---------------------------------|----------|----------|---------|---------------|-----------|---------|--------|----------|-----------|------|
| | | | Value | Range | Rob Mean | Robust SD | R-bar | # Labs | Z Score | %RSD | |
| 031.43 | Phosphorus, ICP, Microwave (%) | 0964 | 1.1975 | 0.00740 | 1.1535 | 0.05376 | 0.03758 | 8 | 0.82 | 2% | 0 |
| 031.43 | Phosphorus, ICP, Microwave (%) | 0098 | 1.2080 | 0.04800 | 1.1535 | 0.05376 | 0.03758 | 8 | 1.01 | 2% | 0 |
| 031.44 | Phosphorus, ICP, Dry ash (%) | 0969 | 1.0850 | 0.03000 | 1.1338 | 0.03885 | 0.03564 | 5 | -1.26 | 2% | 0 |
| 031.44 | Phosphorus, ICP, Dry ash (%) | 0970 | 1.1200 | 0.02000 | 1.1338 | 0.03885 | 0.03564 | 5 | -0.36 | 1% | 0 |
| 031.44 | Phosphorus, ICP, Dry ash (%) | 2023 | 1.1250 | 0.03000 | 1.1338 | 0.03885 | 0.03564 | 5 | -0.23 | 0% | 0 |
| 031.44 | Phosphorus, ICP, Dry ash (%) | 2114 | 1.1490 | 0.07820 | 1.1338 | 0.03885 | 0.03564 | 5 | 0.39 | 1% | 0 |
| 031.44 | Phosphorus, ICP, Dry ash (%) | 2004 | 1.1900 | 0.02000 | 1.1338 | 0.03885 | 0.03564 | 5 | 1.45 | 2% | 0 |
| 031.51 | Phosphorus, ICP-MS, Dry ash (%) | 2136 | 1.1500 | 0.02000 | | | | 1 | | | 0 |
| 032.02 | Potassium, Flame Emission (%) | 0504 | 1.3550 | 0.01000 | | | | 1 | | | 0 |
| 032.31 | Potassium, AAS, Dry ash (%) | 0529 | 1.3000 | 0.04000 | | | | 3 | | | 0 |
| 032.31 | Potassium, AAS, Dry ash (%) | 0656 | 1.3150 | 0.01000 | | | | 3 | | | 0 |
| 032.31 | Potassium, AAS, Dry ash (%) | 0650 | 1.3435 | 0.00900 | | | | 3 | | | 0 |
| 032.41 | Potassium, ICP, Dry ash (%) | 0003 | 1.2500 | 0.00000 | 1.3348 | 0.05997 | 0.03630 | 9 | -1.41 | 3% | 0 |
| 032.41 | Potassium, ICP, Dry ash (%) | 0019 | 1.2900 | 0.04000 | 1.3348 | 0.05997 | 0.03630 | 9 | -0.75 | 2% | 0 |
| 032.41 | Potassium, ICP, Dry ash (%) | 0511 | 1.2900 | 0.12000 | 1.3348 | 0.05997 | 0.03630 | 9 | -0.75 | 2% | 0 |
| 032.41 | Potassium, ICP, Dry ash (%) | 0051 | 1.3101 | 0.02000 | 1.3348 | 0.05997 | 0.03630 | 9 | -0.41 | 1% | 0 |
| 032.41 | Potassium, ICP, Dry ash (%) | 0164 | 1.3350 | 0.01000 | 1.3348 | 0.05997 | 0.03630 | 9 | 0.00 | 0% | 0 |
| 032.41 | Potassium, ICP, Dry ash (%) | 0098 | 1.3650 | 0.05000 | 1.3348 | 0.05997 | 0.03630 | 9 | 0.50 | 1% | 0 |
| 032.41 | Potassium, ICP, Dry ash (%) | 0407 | 1.3792 | 0.02570 | 1.3348 | 0.05997 | 0.03630 | 9 | 0.74 | 2% | 0 |
| 032.41 | Potassium, ICP, Dry ash (%) | 0074 | 1.3950 | 0.01000 | 1.3348 | 0.05997 | 0.03630 | 9 | 1.00 | 2% | 0 |
| 032.41 | Potassium, ICP, Dry ash (%) | 0208 | 1.3985 | 0.05100 | 1.3348 | 0.05997 | 0.03630 | 9 | 1.06 | 2% | 0 |
| 032.42 | Potassium, ICP, Open vessel (%) | 0026 | 1.0200 | 0.00000 | 1.2888 | 0.16339 | 0.02547 | 6 | -1.65 | 10% | 0 |
| 032.42 | Potassium, ICP, Open vessel (%) | 2165 | 1.2000 | 0.00000 | 1.2888 | 0.16339 | 0.02547 | 6 | -0.54 | 3% | 0 |
| 032.42 | Potassium, ICP, Open vessel (%) | 0870 | 1.3275 | 0.03100 | 1.2888 | 0.16339 | 0.02547 | 6 | 0.24 | 2% | 0 |
| 032.42 | Potassium, ICP, Open vessel (%) | 0160 | 1.3372 | 0.05280 | 1.2888 | 0.16339 | 0.02547 | 6 | 0.30 | 2% | 0 |
| 032.42 | Potassium, ICP, Open vessel (%) | 0504 | 1.3845 | 0.02900 | 1.2888 | 0.16339 | 0.02547 | 6 | 0.59 | 4% | 0 |
| 032.42 | Potassium, ICP, Open vessel (%) | 0042 | 1.4400 | 0.04000 | 1.2888 | 0.16339 | 0.02547 | 6 | 0.93 | 6% | 0 |
| 032.43 | Potassium, ICP, Microwave (%) | 0510 | 1.2550 | 0.01000 | 1.3569 | 0.09047 | 0.02553 | 8 | -1.13 | 4% | 0 |
| 032.43 | Potassium, ICP, Microwave (%) | 0964 | 1.2749 | 0.01240 | 1.3569 | 0.09047 | 0.02553 | 8 | -0.91 | 3% | 0 |
| 032.43 | Potassium, ICP, Microwave (%) | 0202 | 1.2900 | 0.00000 | 1.3569 | 0.09047 | 0.02553 | 8 | -0.74 | 2% | 0 |
| 032.43 | Potassium, ICP, Microwave (%) | 0034 | 1.3490 | 0.05480 | 1.3569 | 0.09047 | 0.02553 | 8 | -0.09 | 0% | 0 |
| 032.43 | Potassium, ICP, Microwave (%) | 0098 | 1.3600 | 0.00000 | 1.3569 | 0.09047 | 0.02553 | 8 | 0.03 | 0% | 0 |
| 032.43 | Potassium, ICP, Microwave (%) | 2089 | 1.4200 | 0.04000 | 1.3569 | 0.09047 | 0.02553 | 8 | 0.70 | 2% | 0 |
| 032.43 | Potassium, ICP, Microwave (%) | 2136 | 1.4400 | 0.08000 | 1.3569 | 0.09047 | 0.02553 | 8 | 0.92 | 3% | 0 |
| 032.43 | Potassium, ICP, Microwave (%) | 2124 | 1.4665 | 0.00700 | 1.3569 | 0.09047 | 0.02553 | 8 | 1.21 | 4% | 0 |
| 032.44 | Potassium, ICP, Dry ash (%) | 2114 | 1.0779 | 0.08740 | 1.2996 | 0.13103 | 0.03748 | 5 | -1.69 | 9% | 0 |
| 032.44 | Potassium, ICP, Dry ash (%) | 2004 | 1.3100 | 0.02000 | 1.2996 | 0.13103 | 0.03748 | 5 | 0.08 | 0% | 0 |
| 032.44 | Potassium, ICP, Dry ash (%) | 0970 | 1.3150 | 0.03000 | 1.2996 | 0.13103 | 0.03748 | 5 | 0.12 | 1% | 0 |
| 032.44 | Potassium, ICP, Dry ash (%) | 0969 | 1.3950 | 0.03000 | 1.2996 | 0.13103 | 0.03748 | 5 | 0.73 | 4% | 0 |
| 032.44 | Potassium, ICP, Dry ash (%) | 2023 | 1.4000 | 0.02000 | 1.2996 | 0.13103 | 0.03748 | 5 | 0.77 | 4% | 0 |
| 032.99 | Potassium, Miscellaneous (%) | 0001 | 1.3830 | 0.02200 | | | | 1 | | | 0 |

Test Material Code # 201741

Method Proficiency Testing Report

Issue Date : 04/30/2017

| Method Code | Analyte Name and Method (Units) | Lab Code | Lab Data | | Method Values | | | | AAFCO PT Z Score | Threshold %RSD | Flag |
|-------------|---|----------|----------|---------|---------------|-----------|---------|--------|------------------|----------------|------|
| | | | Value | Range | Rob Mean | Robust SD | R-bar | # Labs | | | |
| 033.00 | Salt as chloride, Sol Cl (%) | 0309 | 0.05840 | 0.00100 | | | | 1 | | | 0 |
| 033.01 | Salt as chloride, Poten Cl (%) | 0407 | 0.01950 | 0.00100 | 0.09190 | 0.04988 | 0.00820 | 5 | -1.45 | 39% | 0 |
| 033.01 | Salt as chloride, Poten Cl (%) | 0650 | 0.06000 | 0.00000 | 0.09190 | 0.04988 | 0.00820 | 5 | -0.64 | 17% | 0 |
| 033.01 | Salt as chloride, Poten Cl (%) | 0164 | 0.12000 | 0.02000 | 0.09190 | 0.04988 | 0.00820 | 5 | 0.56 | 15% | 0 |
| 033.01 | Salt as chloride, Poten Cl (%) | 0510 | 0.13000 | 0.00000 | 0.09190 | 0.04988 | 0.00820 | 5 | 0.76 | 21% | 0 |
| 033.01 | Salt as chloride, Poten Cl (%) | 2023 | 0.13000 | 0.02000 | 0.09190 | 0.04988 | 0.00820 | 5 | 0.76 | 21% | 0 |
| 034.01 | Selenium, Fluor (mg / kg (ppm)) | 0098 | 0.31700 | 0.00200 | | | | 1 | | | 0 |
| 034.04 | Selenium, AA, Hydride (mg / kg (ppm)) | 0164 | 0.30000 | 0.02000 | | | | 1 | | | 0 |
| 034.41 | Selenium, ICP, Dry ash (mg / kg (ppm)) | 2114 | 0.60485 | 0.03210 | | | | 1 | | | 0 |
| 034.43 | Selenium, ICP, Microwave (mg / kg (ppm)) | 2124 | 0.42800 | 0.23000 | | | | 1 | | | 0 |
| 034.52 | Selenium, ICP-MS, Open vessel (mg / kg (ppm)) | 0047 | 0.31500 | 0.02400 | | | | 1 | | | 0 |
| 034.53 | Selenium, ICP-MS, Microwave (mg / kg (ppm)) | 2136 | 0.32650 | 0.03300 | | | | 2 | | | 0 |
| 034.53 | Selenium, ICP-MS, Microwave (mg / kg (ppm)) | 2023 | 0.50000 | 0.00000 | | | | 2 | | | 0 |
| 034.99 | Selenium, Miscellaneous (mg / kg (ppm)) | 0969 | 0.25800 | 0.01400 | | | | 2 | | | 0 |
| 034.99 | Selenium, Miscellaneous (mg / kg (ppm)) | 0970 | 0.36250 | 0.00700 | | | | 2 | | | 0 |
| 035.31 | Sodium, AAS, Dry ash (%) | 0650 | 0.00280 | 0.00120 | | | | 3 | | | 0 |
| 035.31 | Sodium, AAS, Dry ash (%) | 0529 | 0.00400 | 0.00000 | | | | 3 | | | 0 |
| 035.31 | Sodium, AAS, Dry ash (%) | 0656 | 0.01500 | 0.01000 | | | | 3 | | | 0 |
| 035.41 | Sodium, ICP, Dry ash (%) | 0970 | 0.00220 | 0.00020 | 0.00636 | 0.00373 | 0.00033 | 8 | -1.11 | 33% | 0 |
| 035.41 | Sodium, ICP, Dry ash (%) | 0164 | 0.00320 | 0.00020 | 0.00636 | 0.00373 | 0.00033 | 8 | -0.85 | 25% | 0 |
| 035.41 | Sodium, ICP, Dry ash (%) | 0098 | 0.00480 | 0.00080 | 0.00636 | 0.00373 | 0.00033 | 8 | -0.42 | 12% | 0 |
| 035.41 | Sodium, ICP, Dry ash (%) | 0407 | 0.00525 | 0.00030 | 0.00636 | 0.00373 | 0.00033 | 8 | -0.30 | 9% | 0 |
| 035.41 | Sodium, ICP, Dry ash (%) | 2023 | 0.00650 | 0.00100 | 0.00636 | 0.00373 | 0.00033 | 8 | 0.04 | 1% | 0 |
| 035.41 | Sodium, ICP, Dry ash (%) | 0051 | 0.00695 | 0.00010 | 0.00636 | 0.00373 | 0.00033 | 8 | 0.16 | 5% | 0 |
| 035.41 | Sodium, ICP, Dry ash (%) | 0019 | 0.01000 | 0.00000 | 0.00636 | 0.00373 | 0.00033 | 8 | 0.98 | 29% | 0 |
| 035.41 | Sodium, ICP, Dry ash (%) | 0003 | 0.02000 | 0.00000 | 0.00636 | 0.00373 | 0.00033 | 8 | 3.65 | 107% | 0 |
| 035.41 | Sodium, ICP, Dry ash (%) | 0969 | 0.00000 | 0.00000 | 0.00636 | 0.00373 | 0.00033 | 8 | | | 4 |
| 035.41 | Sodium, ICP, Dry ash (%) | 2004 | 0.00000 | 0.00000 | 0.00636 | 0.00373 | 0.00033 | 8 | | | 4 |
| 035.41 | Sodium, ICP, Dry ash (%) | 2114 | 0.00000 | 0.00000 | 0.00636 | 0.00373 | 0.00033 | 8 | | | 4 |
| 035.42 | Sodium, ICP, Open vessel (%) | 0504 | 0.01550 | 0.01300 | | | | 2 | | | 0 |
| 035.42 | Sodium, ICP, Open vessel (%) | 0870 | 60.025 | 23.270 | | | | 2 | | | 0 |
| 035.42 | Sodium, ICP, Open vessel (%) | 2165 | 0.00000 | 0.00000 | | | | 2 | | | 4 |
| 035.43 | Sodium, ICP, Microwave (%) | 0510 | 0.00200 | 0.00000 | 0.00271 | 0.00105 | 0.00034 | 5 | -0.68 | 13% | 0 |
| 035.43 | Sodium, ICP, Microwave (%) | 2136 | 0.00210 | 0.00040 | 0.00271 | 0.00105 | 0.00034 | 5 | -0.58 | 11% | 0 |
| 035.43 | Sodium, ICP, Microwave (%) | 2124 | 0.00250 | 0.00100 | 0.00271 | 0.00105 | 0.00034 | 5 | -0.20 | 4% | 0 |
| 035.43 | Sodium, ICP, Microwave (%) | 0098 | 0.00425 | 0.00030 | 0.00271 | 0.00105 | 0.00034 | 5 | 1.47 | 28% | 0 |
| 035.43 | Sodium, ICP, Microwave (%) | 0202 | 0.01000 | 0.00000 | 0.00271 | 0.00105 | 0.00034 | 5 | 6.96 | 134% | 0 |
| 035.43 | Sodium, ICP, Microwave (%) | 2089 | 0.00000 | 0.00000 | 0.00271 | 0.00105 | 0.00034 | 5 | | | 4 |
| 036.04 | Sulfur, LECO (%) | 0098 | 0.65000 | 0.02000 | | | | 1 | | | 0 |
| 036.42 | Sulfur, ICP, Open vessel (%) | 0870 | 0.60485 | 0.02350 | 0.66821 | 0.05387 | 0.02183 | 4 | -1.18 | 5% | 0 |
| 036.42 | Sulfur, ICP, Open vessel (%) | 0164 | 0.66000 | 0.02000 | 0.66821 | 0.05387 | 0.02183 | 4 | -0.15 | 1% | 0 |

Test Material Code # 201741

Method Proficiency Testing Report

Issue Date : 04/30/2017

| Method Code | Analyte Name and Method (Units) | Lab Code | Lab Data | | Method Values | | | | AAFCO PT | Threshold | Flag |
|-------------|--|----------|----------|---------|---------------|-----------|---------|--------|----------|-----------|------|
| | | | Value | Range | Rob Mean | Robust SD | R-bar | # Labs | Z Score | %RSD | |
| 036.42 | Sulfur, ICP, Open vessel (%) | 0160 | 0.67190 | 0.02620 | 0.66821 | 0.05387 | 0.02183 | 4 | 0.07 | 0% | 0 |
| 036.42 | Sulfur, ICP, Open vessel (%) | 0407 | 0.73610 | 0.01760 | 0.66821 | 0.05387 | 0.02183 | 4 | 1.26 | 5% | 0 |
| 036.43 | Sulfur, ICP, Microwave (%) | 0202 | 0.61000 | 0.02000 | 0.64365 | 0.02983 | 0.03023 | 6 | -1.13 | 3% | 0 |
| 036.43 | Sulfur, ICP, Microwave (%) | 2089 | 0.61500 | 0.01000 | 0.64365 | 0.02983 | 0.03023 | 6 | -0.96 | 2% | 0 |
| 036.43 | Sulfur, ICP, Microwave (%) | 0510 | 0.64000 | 0.02000 | 0.64365 | 0.02983 | 0.03023 | 6 | -0.12 | 0% | 0 |
| 036.43 | Sulfur, ICP, Microwave (%) | 0098 | 0.66110 | 0.05320 | 0.64365 | 0.02983 | 0.03023 | 6 | 0.58 | 1% | 0 |
| 036.43 | Sulfur, ICP, Microwave (%) | 0034 | 0.66530 | 0.07320 | 0.64365 | 0.02983 | 0.03023 | 6 | 0.73 | 2% | 0 |
| 036.43 | Sulfur, ICP, Microwave (%) | 0027 | 0.67050 | 0.00500 | 0.64365 | 0.02983 | 0.03023 | 6 | 0.90 | 2% | 0 |
| 037.31 | Zinc, AAS, Dry ash (mg / kg (ppm)) | 0001 | 54.835 | 0.81000 | | | | 3 | | | 0 |
| 037.31 | Zinc, AAS, Dry ash (mg / kg (ppm)) | 0529 | 55.380 | 3.5000 | | | | 3 | | | 0 |
| 037.31 | Zinc, AAS, Dry ash (mg / kg (ppm)) | 0656 | 62.075 | 0.39000 | | | | 3 | | | 0 |
| 037.32 | Zinc, AAS, Open vessel (mg / kg (ppm)) | 0504 | 58.595 | 1.3500 | | | | 1 | | | 0 |
| 037.33 | Zinc, AAS, Microwave (mg / kg (ppm)) | 0504 | 52.685 | 14.050 | | | | 1 | | | 0 |
| 037.41 | Zinc, ICP, Dry ash (mg / kg (ppm)) | 0208 | 55.325 | 3.4900 | 59.320 | 3.6551 | 1.8437 | 8 | -1.09 | 3% | 0 |
| 037.41 | Zinc, ICP, Dry ash (mg / kg (ppm)) | 0164 | 57.000 | 0.00000 | 59.320 | 3.6551 | 1.8437 | 8 | -0.63 | 2% | 0 |
| 037.41 | Zinc, ICP, Dry ash (mg / kg (ppm)) | 0511 | 57.500 | 1.0000 | 59.320 | 3.6551 | 1.8437 | 8 | -0.50 | 2% | 0 |
| 037.41 | Zinc, ICP, Dry ash (mg / kg (ppm)) | 0074 | 58.000 | 2.0000 | 59.320 | 3.6551 | 1.8437 | 8 | -0.36 | 1% | 0 |
| 037.41 | Zinc, ICP, Dry ash (mg / kg (ppm)) | 0019 | 58.450 | 1.3000 | 59.320 | 3.6551 | 1.8437 | 8 | -0.24 | 1% | 0 |
| 037.41 | Zinc, ICP, Dry ash (mg / kg (ppm)) | 0051 | 60.370 | 6.3000 | 59.320 | 3.6551 | 1.8437 | 8 | 0.29 | 1% | 0 |
| 037.41 | Zinc, ICP, Dry ash (mg / kg (ppm)) | 0098 | 63.115 | 0.13000 | 59.320 | 3.6551 | 1.8437 | 8 | 1.04 | 3% | 0 |
| 037.41 | Zinc, ICP, Dry ash (mg / kg (ppm)) | 0407 | 64.872 | 0.52970 | 59.320 | 3.6551 | 1.8437 | 8 | 1.52 | 5% | 0 |
| 037.41 | Zinc, ICP, Dry ash (mg / kg (ppm)) | 0003 | 112.00 | 72.000 | 59.320 | 3.6551 | 1.8437 | 8 | 14.41 | 44% | 1 |
| 037.42 | Zinc, ICP, Open vessel (mg / kg (ppm)) | 0042 | 27.000 | 13.800 | 47.740 | 12.704 | 5.4920 | 5 | -1.63 | 22% | 0 |
| 037.42 | Zinc, ICP, Open vessel (mg / kg (ppm)) | 0870 | 44.950 | 1.1600 | 47.740 | 12.704 | 5.4920 | 5 | -0.22 | 3% | 0 |
| 037.42 | Zinc, ICP, Open vessel (mg / kg (ppm)) | 0026 | 52.000 | 4.0000 | 47.740 | 12.704 | 5.4920 | 5 | 0.34 | 4% | 0 |
| 037.42 | Zinc, ICP, Open vessel (mg / kg (ppm)) | 2165 | 56.000 | 6.0000 | 47.740 | 12.704 | 5.4920 | 5 | 0.65 | 9% | 0 |
| 037.42 | Zinc, ICP, Open vessel (mg / kg (ppm)) | 0160 | 58.750 | 2.5000 | 47.740 | 12.704 | 5.4920 | 5 | 0.87 | 12% | 0 |
| 037.43 | Zinc, ICP, Microwave (mg / kg (ppm)) | 0510 | 52.000 | 0.00000 | 58.729 | 5.2814 | 1.1760 | 7 | -1.27 | 6% | 0 |
| 037.43 | Zinc, ICP, Microwave (mg / kg (ppm)) | 0202 | 55.700 | 0.82000 | 58.729 | 5.2814 | 1.1760 | 7 | -0.57 | 3% | 0 |
| 037.43 | Zinc, ICP, Microwave (mg / kg (ppm)) | 2124 | 56.377 | 0.30500 | 58.729 | 5.2814 | 1.1760 | 7 | -0.45 | 2% | 0 |
| 037.43 | Zinc, ICP, Microwave (mg / kg (ppm)) | 2089 | 59.170 | 1.4000 | 58.729 | 5.2814 | 1.1760 | 7 | 0.08 | 0% | 0 |
| 037.43 | Zinc, ICP, Microwave (mg / kg (ppm)) | 2023 | 60.300 | 0.80000 | 58.729 | 5.2814 | 1.1760 | 7 | 0.30 | 1% | 0 |
| 037.43 | Zinc, ICP, Microwave (mg / kg (ppm)) | 0098 | 60.905 | 1.9300 | 58.729 | 5.2814 | 1.1760 | 7 | 0.41 | 2% | 0 |
| 037.43 | Zinc, ICP, Microwave (mg / kg (ppm)) | 0027 | 68.909 | 2.9770 | 58.729 | 5.2814 | 1.1760 | 7 | 1.93 | 9% | 0 |
| 037.44 | Zinc, ICP, Dry ash (mg / kg (ppm)) | 0969 | 55.600 | 1.2000 | 56.394 | 0.95449 | 1.3800 | 4 | -0.83 | 1% | 0 |
| 037.44 | Zinc, ICP, Dry ash (mg / kg (ppm)) | 2114 | 55.657 | 3.2250 | 56.394 | 0.95449 | 1.3800 | 4 | -0.77 | 1% | 0 |
| 037.44 | Zinc, ICP, Dry ash (mg / kg (ppm)) | 2004 | 56.718 | 1.0950 | 56.394 | 0.95449 | 1.3800 | 4 | 0.34 | 0% | 0 |
| 037.44 | Zinc, ICP, Dry ash (mg / kg (ppm)) | 0970 | 57.600 | 0.00000 | 56.394 | 0.95449 | 1.3800 | 4 | 1.26 | 1% | 0 |
| 037.52 | Zinc, ICP-MS, Open vessel (mg / kg (ppm)) | 0047 | 58.230 | 1.2400 | | | | 1 | | | 0 |
| 037.53 | Zinc, ICP-MS, Microwave (mg / kg (ppm)) | 2136 | 55.100 | 2.8000 | | | | 1 | | | 0 |
| 038.43 | Molybdenum, ICP, Microwave (mg / kg (ppm)) | 0510 | 1.1000 | 0.00000 | | | | 1 | | | 0 |

Test Material Code # 201741

Method Proficiency Testing Report

Issue Date : 04/30/2017

| Method Code | Analyte Name and Method (Units) | Lab Code | Lab Data | | Method Values | | | | AAFCO PT Z Score | Threshold %RSD | Flag |
|-------------|---|----------|----------|---------|---------------|-----------|--------|--------|------------------|----------------|------|
| | | | Value | Range | Rob Mean | Robust SD | R-bar | # Labs | | | |
| 038.53 | Molybdenum, ICP-MS, Microwave (mg / kg (ppm)) | 2023 | 1.2850 | 0.05000 | | | | 1 | | | 0 |
| 042.00 | Chloride, Titrimetric (%) | 0969 | 0.06850 | 0.00300 | | | | 1 | | | 0 |
| 042.99 | Chloride, Miscellaneous (%) | 0970 | 0.07050 | 0.00100 | | | | 1 | | | 0 |
| 101.00 | Choline Chloride, Microbiological (mg / kg (ppm)) | 0227 | 5,840.0 | 80.000 | | | | 1 | | | 0 |
| 101.01 | Choline Chloride, Chem (mg / kg (ppm)) | 0969 | 1,815.0 | 50.000 | | | | 2 | | | 0 |
| 101.01 | Choline Chloride, Chem (mg / kg (ppm)) | 2004 | 2,315.0 | 150.00 | | | | 2 | | | 0 |
| 102.01 | Niacin, Microbiological (mg / kg (ppm)) | 0227 | 162.50 | 1.0000 | | | | 1 | | | 0 |
| 103.01 | Pantothenic Acid, Microbiological (mg / kg (ppm)) | 0227 | 5.7650 | 0.11000 | | | | 1 | | | 0 |
| 104.00 | Riboflavin, Fluorometric (mg / kg (ppm)) | 0227 | 4.8950 | 0.49000 | | | | 1 | | | 0 |
| 104.03 | Riboflavin, LC (mg / kg (ppm)) | 2023 | 3.6000 | 0.00000 | | | | 1 | | | 0 |
| 105.00 | Thiamine, LC (mg / kg (ppm)) | 2023 | 3.7000 | 0.60000 | | | | 1 | | | 0 |
| 106.02 | Vitamin A, LC (KU / kg) | 2023 | 0.60050 | 0.01300 | | | | 2 | | | 0 |
| 106.02 | Vitamin A, LC (KU / kg) | 2004 | 1.1550 | 0.05000 | | | | 2 | | | 0 |
| 106.02 | Vitamin A, LC (KU / kg) | 0969 | 0.00000 | 0.00000 | | | | 2 | | | 4 |
| 106.02 | Vitamin A, LC (KU / kg) | 0970 | 0.00000 | 0.00000 | | | | 2 | | | 4 |
| 108.01 | Vitamin D3, LC, AOAC (KU / kg) | 2023 | 0.00000 | 0.00000 | | | | 0 | | | 4 |
| 108.99 | Vitamin D3, Miscellaneous (KU / kg) | 0969 | 0.00000 | 0.00000 | | | | 0 | | | 4 |
| 108.99 | Vitamin D3, Miscellaneous (KU / kg) | 0970 | 0.00000 | 0.00000 | | | | 0 | | | 4 |
| 108.99 | Vitamin D3, Miscellaneous (KU / kg) | 2004 | 0.00000 | 0.00000 | | | | 0 | | | 4 |
| 108.99 | Vitamin D3, Miscellaneous (KU / kg) | 2165 | 0.00000 | 0.00000 | | | | 0 | | | 4 |
| 109.02 | Vitamin E, LC (IU/kg) | 0969 | 50.850 | 1.9000 | 415.03 | 790.76 | 41.140 | 5 | -1.12 | 9% | 0 |
| 109.02 | Vitamin E, LC (IU/kg) | 2004 | 58.750 | 1.9000 | 415.03 | 790.76 | 41.140 | 5 | -0.28 | 2% | 0 |
| 109.02 | Vitamin E, LC (IU/kg) | 0227 | 62.450 | 0.10000 | 415.03 | 790.76 | 41.140 | 5 | 0.11 | 1% | 0 |
| 109.02 | Vitamin E, LC (IU/kg) | 0970 | 73.600 | 4.8000 | 415.03 | 790.76 | 41.140 | 5 | 1.29 | 10% | 0 |
| 109.02 | Vitamin E, LC (IU/kg) | 2023 | 1,829.5 | 197.00 | 415.03 | 790.76 | 41.140 | 5 | 186.97 | 1440% | 0 |
| 113.01 | Folic Acid, Micro (mg / kg (ppm)) | 0227 | 0.98800 | 0.08400 | | | | 1 | | | 0 |
| 120.00 | Alanine, Post-col Ninhydrin Der (%) | 2115 | 1.4400 | 0.00200 | | | | 3 | | | 0 |
| 120.00 | Alanine, Post-col Ninhydrin Der (%) | 0870 | 1.4772 | 0.03370 | | | | 3 | | | 0 |
| 120.00 | Alanine, Post-col Ninhydrin Der (%) | 0227 | 1.4900 | 0.00000 | | | | 3 | | | 0 |
| 120.01 | Alanine, Pre-col OPA Der (%) | 0969 | 1.4850 | 0.01000 | | | | 1 | | | 0 |
| 120.02 | Alanine, Post-col OPA Der (%) | 2023 | 1.4850 | 0.01000 | | | | 1 | | | 0 |
| 120.05 | Alanine, Pre-col AQC Der (%) | 0676 | 1.4450 | 0.01000 | | | | 1 | | | 0 |
| 121.00 | Arginine, Post-col Ninhydrin Der (%) | 0870 | 1.7506 | 0.04640 | | | | 3 | | | 0 |
| 121.00 | Arginine, Post-col Ninhydrin Der (%) | 2115 | 1.8650 | 0.05000 | | | | 3 | | | 0 |
| 121.00 | Arginine, Post-col Ninhydrin Der (%) | 0227 | 1.8750 | 0.03000 | | | | 3 | | | 0 |
| 121.01 | Arginine, Pre-col OPA Der (%) | 0969 | 1.9950 | 0.03000 | | | | 1 | | | 0 |
| 121.02 | Arginine, Post-col OPA Der (%) | 2023 | 1.9350 | 0.01000 | | | | 1 | | | 0 |
| 121.05 | Arginine, Pre-col AQC Der (%) | 0676 | 1.9800 | 0.00000 | | | | 1 | | | 0 |
| 121.99 | Arginine, Miscellaneous (%) | 0160 | 2.0662 | 0.34860 | | | | 1 | | | 0 |
| 122.00 | Aspartic, Post-col Ninhydrin Der (%) | 2115 | 2.3655 | 0.04700 | | | | 3 | | | 0 |
| 122.00 | Aspartic, Post-col Ninhydrin Der (%) | 0227 | 2.4250 | 0.11000 | | | | 3 | | | 0 |

Test Material Code # 201741

Method Proficiency Testing Report

Issue Date : 04/30/2017

| Method Code | Analyte Name and Method (Units) | Lab Code | Lab Data | | Method Values | | | | AAFCO PT Z Score | Threshold %RSD | Flag |
|-------------|---|----------|----------|---------|---------------|-----------|-------|--------|------------------|----------------|------|
| | | | Value | Range | Rob Mean | Robust SD | R-bar | # Labs | | | |
| 122.00 | Aspartic, Post-col Ninhydrin Der (%) | 0870 | 2.4259 | 0.06700 | | | | 3 | | 0 | |
| 122.01 | Aspartic, Pre-col OPA Der (%) | 0969 | 2.3550 | 0.03000 | | | | 1 | | 0 | |
| 122.02 | Aspartic, Post-col OPA Der (%) | 2023 | 2.3750 | 0.03000 | | | | 1 | | 0 | |
| 122.05 | Aspartic, Pre-col AQC Der (%) | 0676 | 2.4300 | 0.14000 | | | | 1 | | 0 | |
| 124.00 | Cysteine/Cystine, PAO Post-col Ninhydry (%) | 0227 | 0.66500 | 0.01000 | | | | 3 | | 0 | |
| 124.00 | Cysteine/Cystine, PAO Post-col Ninhydry (%) | 0870 | 0.74705 | 0.01550 | | | | 3 | | 0 | |
| 124.00 | Cysteine/Cystine, PAO Post-col Ninhydry (%) | 2115 | 0.76100 | 0.00400 | | | | 3 | | 0 | |
| 124.01 | Cysteine/Cystine, PAO Pre-col OPA Der (%) | 0969 | 0.73800 | 0.00000 | | | | 1 | | 0 | |
| 124.02 | Cysteine/Cystine, PAO Post-col OPA Der (%) | 2023 | 0.78000 | 0.06000 | | | | 1 | | 0 | |
| 124.05 | Cysteine/Cystine, PAO Pre-col AQC Der (%) | 0676 | 1.2350 | 0.01000 | | | | 1 | | 0 | |
| 125.00 | Glutamic, Post-col Ninhydrin Der (%) | 0227 | 5.4050 | 0.05000 | | | | 3 | | 0 | |
| 125.00 | Glutamic, Post-col Ninhydrin Der (%) | 0870 | 5.4973 | 0.12120 | | | | 3 | | 0 | |
| 125.00 | Glutamic, Post-col Ninhydrin Der (%) | 2115 | 5.8720 | 0.01600 | | | | 3 | | 0 | |
| 125.01 | Glutamic, Pre-col OPA Der (%) | 0969 | 5.3800 | 0.12000 | | | | 1 | | 0 | |
| 125.02 | Glutamic, Post-col OPA Der (%) | 2023 | 5.6100 | 0.00000 | | | | 1 | | 0 | |
| 125.05 | Glutamic, Pre-col AQC Der (%) | 0676 | 5.4300 | 0.20000 | | | | 1 | | 0 | |
| 126.00 | Glycine, Post-col Ninhydrin Der (%) | 2115 | 1.6855 | 0.00100 | | | | 3 | | 0 | |
| 126.00 | Glycine, Post-col Ninhydrin Der (%) | 0227 | 1.6900 | 0.00000 | | | | 3 | | 0 | |
| 126.00 | Glycine, Post-col Ninhydrin Der (%) | 0870 | 1.7007 | 0.03510 | | | | 3 | | 0 | |
| 126.01 | Glycine, Pre-col OPA Der (%) | 0969 | 1.5650 | 0.03000 | | | | 1 | | 0 | |
| 126.02 | Glycine, Post-col OPA Der (%) | 2023 | 1.7200 | 0.00000 | | | | 1 | | 0 | |
| 126.05 | Glycine, Pre-col AQC Der (%) | 0676 | 1.7200 | 0.02000 | | | | 1 | | 0 | |
| 127.00 | Histidine, Post-col Ninhydrin Der (%) | 2115 | 0.84550 | 0.01700 | | | | 3 | | 0 | |
| 127.00 | Histidine, Post-col Ninhydrin Der (%) | 0870 | 0.86025 | 0.03010 | | | | 3 | | 0 | |
| 127.00 | Histidine, Post-col Ninhydrin Der (%) | 0227 | 0.87000 | 0.00000 | | | | 3 | | 0 | |
| 127.01 | Histidine, Pre-col OPA Der (%) | 0969 | 0.70800 | 0.03200 | | | | 1 | | 0 | |
| 127.02 | Histidine, Post-col OPA Der (%) | 2023 | 0.90500 | 0.01000 | | | | 1 | | 0 | |
| 127.05 | Histidine, Pre-col AQC Der (%) | 0676 | 0.89500 | 0.01000 | | | | 1 | | 0 | |
| 127.99 | Histidine, Miscellaneous (%) | 0160 | 0.95620 | 0.08080 | | | | 1 | | 0 | |
| 128.00 | Isoleucine, Post-col Ninhydrin Der (%) | 0870 | 1.1759 | 0.07420 | | | | 3 | | 0 | |
| 128.00 | Isoleucine, Post-col Ninhydrin Der (%) | 2115 | 1.2515 | 0.00900 | | | | 3 | | 0 | |
| 128.00 | Isoleucine, Post-col Ninhydrin Der (%) | 0227 | 1.3200 | 0.04000 | | | | 3 | | 0 | |
| 128.01 | Isoleucine, Pre-col OPA Der (%) | 0969 | 1.3400 | 0.04000 | | | | 1 | | 0 | |
| 128.02 | Isoleucine, Post-col OPA Der (%) | 2023 | 1.3900 | 0.02000 | | | | 1 | | 0 | |
| 128.05 | Isoleucine, Pre-col AQC Der (%) | 0676 | 1.3600 | 0.02000 | | | | 1 | | 0 | |
| 128.99 | Isoleucine, Miscellaneous (%) | 0160 | 1.2320 | 0.29700 | | | | 1 | | 0 | |
| 129.00 | Leucine, Post-col Ninhydrin Der (%) | 2115 | 2.2270 | 0.01800 | | | | 3 | | 0 | |
| 129.00 | Leucine, Post-col Ninhydrin Der (%) | 0870 | 2.2565 | 0.08030 | | | | 3 | | 0 | |
| 129.00 | Leucine, Post-col Ninhydrin Der (%) | 0227 | 2.2600 | 0.00000 | | | | 3 | | 0 | |
| 129.01 | Leucine, Pre-col OPA Der (%) | 0969 | 2.2450 | 0.07000 | | | | 1 | | 0 | |
| 129.02 | Leucine, Post-col OPA Der (%) | 2023 | 2.3300 | 0.02000 | | | | 1 | | 0 | |

Test Material Code # 201741

Method Proficiency Testing Report

Issue Date : 04/30/2017

| Method Code | Analyte Name and Method (Units) | Lab Code | Lab Data | | Method Values | | | | AAFCO PT Z Score | Threshold %RSD | Flag |
|-------------|--|----------|----------|---------|---------------|-----------|-------|--------|------------------|----------------|------|
| | | | Value | Range | Rob Mean | Robust SD | R-bar | # Labs | | | |
| 129.05 | Leucine, Pre-col AQC Der (%) | 0676 | 2.3150 | 0.03000 | | | | 1 | | 0 | |
| 129.99 | Leucine, Miscellaneous (%) | 0160 | 2.3985 | 0.04550 | | | | 1 | | 0 | |
| 130.00 | L-Lysine, Post-col Ninhydrin Der (%) | 2115 | 1.7600 | 0.02000 | | | | 3 | | 0 | |
| 130.00 | L-Lysine, Post-col Ninhydrin Der (%) | 0870 | 1.7744 | 0.06550 | | | | 3 | | 0 | |
| 130.00 | L-Lysine, Post-col Ninhydrin Der (%) | 0227 | 1.8000 | 0.06000 | | | | 3 | | 0 | |
| 130.01 | L-Lysine, Pre-col OPA Der (%) | 0969 | 1.4300 | 0.02000 | | | | 1 | | 0 | |
| 130.02 | L-Lysine, Post-col OPA Der (%) | 2023 | 1.8900 | 0.02000 | | | | 1 | | 0 | |
| 130.05 | L-Lysine, Pre-col AQC Der (%) | 0676 | 1.7850 | 0.01000 | | | | 2 | | 0 | |
| 130.05 | L-Lysine, Pre-col AQC Der (%) | 0027 | 1.8925 | 0.05100 | | | | 2 | | 0 | |
| 130.99 | L-Lysine, Miscellaneous (%) | 0160 | 1.8106 | 0.12630 | | | | 1 | | 0 | |
| 131.00 | Methionine, PAO Post-col Ninhydrin Der (%) | 0227 | 0.63500 | 0.01000 | | | | 3 | | 0 | |
| 131.00 | Methionine, PAO Post-col Ninhydrin Der (%) | 2115 | 0.64500 | 0.02000 | | | | 3 | | 0 | |
| 131.00 | Methionine, PAO Post-col Ninhydrin Der (%) | 0870 | 0.76515 | 0.00090 | | | | 3 | | 0 | |
| 131.01 | Methionine, PAO Pre-col OPA Der (%) | 0969 | 0.55900 | 0.02000 | | | | 1 | | 0 | |
| 131.02 | Methionine, PAO Post-col OPA Der (%) | 2023 | 0.57500 | 0.01000 | | | | 1 | | 0 | |
| 131.99 | Methionine, Miscellaneous (%) | 0160 | 0.67695 | 0.06090 | | | | 1 | | 0 | |
| 132.00 | Phenylalanine, Post-col Ninhydrin Der (%) | 0227 | 1.3050 | 0.03000 | | | | 3 | | 0 | |
| 132.00 | Phenylalanine, Post-col Ninhydrin Der (%) | 0870 | 1.3104 | 0.05170 | | | | 3 | | 0 | |
| 132.00 | Phenylalanine, Post-col Ninhydrin Der (%) | 2115 | 1.4050 | 0.04200 | | | | 3 | | 0 | |
| 132.01 | Phenylalanine, Pre-col OPA Der (%) | 0969 | 1.2900 | 0.04000 | | | | 1 | | 0 | |
| 132.02 | Phenylalanine, Post-col OPA Der (%) | 2023 | 1.3500 | 0.00000 | | | | 1 | | 0 | |
| 132.05 | Phenylalanine, Pre-col AQC Der (%) | 0676 | 1.3450 | 0.01000 | | | | 1 | | 0 | |
| 132.99 | Phenylalanine, Miscellaneous (%) | 0160 | 1.4088 | 0.02980 | | | | 1 | | 0 | |
| 133.00 | Proline, Post-col Ninhydrin Der (%) | 2115 | 1.8490 | 0.03400 | | | | 3 | | 0 | |
| 133.00 | Proline, Post-col Ninhydrin Der (%) | 0870 | 1.9849 | 0.05250 | | | | 3 | | 0 | |
| 133.00 | Proline, Post-col Ninhydrin Der (%) | 0227 | 2.0600 | 0.06000 | | | | 3 | | 0 | |
| 133.05 | Proline, Pre-col AQC Der (%) | 0676 | 2.0900 | 0.02000 | | | | 1 | | 0 | |
| 133.99 | Proline, Miscellaneous (%) | 0969 | 1.9450 | 0.07000 | | | | 2 | | 0 | |
| 133.99 | Proline, Miscellaneous (%) | 2023 | 1.9900 | 0.00000 | | | | 2 | | 0 | |
| 134.00 | Serine, Post-col Ninhydrin Der (%) | 2115 | 1.4095 | 0.00900 | | | | 3 | | 0 | |
| 134.00 | Serine, Post-col Ninhydrin Der (%) | 0227 | 1.4300 | 0.06000 | | | | 3 | | 0 | |
| 134.00 | Serine, Post-col Ninhydrin Der (%) | 0870 | 1.4926 | 0.00170 | | | | 3 | | 0 | |
| 134.01 | Serine, Pre-col OPA Der (%) | 0969 | 1.4250 | 0.03000 | | | | 1 | | 0 | |
| 134.02 | Serine, Post-col OPA Der (%) | 2023 | 1.2500 | 0.00000 | | | | 1 | | 0 | |
| 134.05 | Serine, Pre-col AQC Der (%) | 0676 | 1.3900 | 0.02000 | | | | 1 | | 0 | |
| 135.00 | Threonine, Post-col Ninhydrin Der (%) | 2115 | 1.4680 | 0.03000 | | | | 3 | | 0 | |
| 135.00 | Threonine, Post-col Ninhydrin Der (%) | 0227 | 1.5100 | 0.06000 | | | | 3 | | 0 | |
| 135.00 | Threonine, Post-col Ninhydrin Der (%) | 0870 | 1.5383 | 0.04020 | | | | 3 | | 0 | |
| 135.01 | Threonine, Pre-col OPA Der (%) | 0969 | 1.5100 | 0.02000 | | | | 1 | | 0 | |
| 135.02 | Threonine, Post-col OPA Der (%) | 2023 | 1.4050 | 0.01000 | | | | 1 | | 0 | |
| 135.05 | Threonine, Pre-col AQC Der (%) | 0676 | 1.5150 | 0.01000 | | | | 1 | | 0 | |

Test Material Code # 201741

Method Proficiency Testing Report

Issue Date : 04/30/2017

| Method Code | Analyte Name and Method (Units) | Lab Code | Lab Data | | Method Values | | | | AAFCO PT Z Score | Threshold %RSD | Flag |
|-------------|--|----------|----------|---------|---------------|-----------|---------|--------|------------------|----------------|------|
| | | | Value | Range | Rob Mean | Robust SD | R-bar | # Labs | | | |
| 136.00 | Tryptophan, Alka-Hydrol Post-col Ninhyd (%) | 0870 | 0.39950 | 0.00240 | | | | 2 | | 0 | |
| 136.00 | Tryptophan, Alka-Hydrol Post-col Ninhyd (%) | 0227 | 0.50000 | 0.02000 | | | | 2 | | 0 | |
| 136.02 | Tryptophan, Alka-Hydrol Post-col OPA De (%) | 2023 | 0.37000 | 0.00000 | | | | 1 | | 0 | |
| 136.03 | Tryptophan, Alka-Hydrol + IS RP LC FI (%) | 2114 | 0.33265 | 0.01570 | | | | 1 | | 0 | |
| 136.99 | Tryptophan, Miscellaneous (%) | 0160 | 0.43795 | 0.05690 | | | | 3 | | 0 | |
| 136.99 | Tryptophan, Miscellaneous (%) | 0970 | 0.45400 | 0.01600 | | | | 3 | | 0 | |
| 136.99 | Tryptophan, Miscellaneous (%) | 0969 | 0.50150 | 0.02100 | | | | 3 | | 0 | |
| 137.00 | Tyrosine, Post-col Ninhydrin Der (%) | 0870 | 0.73455 | 0.07430 | | | | 3 | | 0 | |
| 137.00 | Tyrosine, Post-col Ninhydrin Der (%) | 0227 | 0.89000 | 0.04000 | | | | 3 | | 0 | |
| 137.00 | Tyrosine, Post-col Ninhydrin Der (%) | 2115 | 0.89250 | 0.00500 | | | | 3 | | 0 | |
| 137.01 | Tyrosine, Pre-col OPA Der (%) | 0969 | 1.0300 | 0.02000 | | | | 1 | | 0 | |
| 137.02 | Tyrosine, Post-col OPA Der (%) | 2023 | 0.88000 | 0.00000 | | | | 1 | | 0 | |
| 137.05 | Tyrosine, Pre-col AQC Der (%) | 0676 | 1.0650 | 0.01000 | | | | 1 | | 0 | |
| 138.00 | Valine, Post-col Ninhydrin Der (%) | 2115 | 1.5270 | 0.00200 | | | | 3 | | 0 | |
| 138.00 | Valine, Post-col Ninhydrin Der (%) | 0870 | 1.5478 | 0.07510 | | | | 3 | | 0 | |
| 138.00 | Valine, Post-col Ninhydrin Der (%) | 0227 | 1.7250 | 0.01000 | | | | 3 | | 0 | |
| 138.01 | Valine, Pre-col OPA Der (%) | 0969 | 1.6250 | 0.05000 | | | | 1 | | 0 | |
| 138.02 | Valine, Post-col OPA Der (%) | 2023 | 1.6900 | 0.02000 | | | | 1 | | 0 | |
| 138.05 | Valine, Pre-col AQC Der (%) | 0676 | 1.8600 | 0.02000 | | | | 1 | | 0 | |
| 138.99 | Valine, Miscellaneous (%) | 0160 | 1.6856 | 0.23000 | | | | 1 | | 0 | |
| 139.00 | Taurine, Post-col Ninhydrin Der (%) | 0970 | 0.09765 | 0.00050 | | | | 3 | | 0 | |
| 139.00 | Taurine, Post-col Ninhydrin Der (%) | 0969 | 0.12800 | 0.00000 | | | | 3 | | 0 | |
| 139.00 | Taurine, Post-col Ninhydrin Der (%) | 2115 | 0.40900 | 0.00200 | | | | 3 | | 0 | |
| 160.99 | Fructose, Miscellaneous (%) | 0969 | 0.10150 | 0.00300 | | | | 2 | | 0 | |
| 160.99 | Fructose, Miscellaneous (%) | 0970 | 0.20000 | 0.00000 | | | | 2 | | 0 | |
| 161.99 | Galactose, Miscellaneous (%) | 0969 | 0.00000 | 0.00000 | | | | 0 | | 4 | |
| 161.99 | Galactose, Miscellaneous (%) | 0970 | 0.00000 | 0.00000 | | | | 0 | | 4 | |
| 162.99 | Glucose, Miscellaneous (%) | 0969 | 0.29950 | 0.00100 | | | | 2 | | 0 | |
| 162.99 | Glucose, Miscellaneous (%) | 0970 | 0.30000 | 0.00000 | | | | 2 | | 0 | |
| 163.99 | Lactose, Miscellaneous (%) | 0969 | 0.00000 | 0.00000 | | | | 0 | | 4 | |
| 163.99 | Lactose, Miscellaneous (%) | 0970 | 0.00000 | 0.00000 | | | | 0 | | 4 | |
| 164.99 | Maltose, Miscellaneous (%) | 0969 | 0.00000 | 0.00000 | | | | 0 | | 4 | |
| 164.99 | Maltose, Miscellaneous (%) | 0970 | 0.00000 | 0.00000 | | | | 0 | | 4 | |
| 165.99 | Sucrose, Miscellaneous (%) | 0227 | 6.6550 | 0.05000 | 6.9398 | 0.29278 | 0.08423 | 4 | -0.97 | 2% | 0 |
| 165.99 | Sucrose, Miscellaneous (%) | 0970 | 6.8000 | 0.20000 | 6.9398 | 0.29278 | 0.08423 | 4 | -0.48 | 1% | 0 |
| 165.99 | Sucrose, Miscellaneous (%) | 0969 | 6.9700 | 0.06000 | 6.9398 | 0.29278 | 0.08423 | 4 | 0.10 | 0% | 0 |
| 165.99 | Sucrose, Miscellaneous (%) | 2114 | 7.3343 | 0.02690 | 6.9398 | 0.29278 | 0.08423 | 4 | 1.35 | 3% | 0 |
| 400.01 | Water activity, Aqualab chilled mirror (Units) | 0407 | 0.21670 | 0.00080 | | | | 2 | | 0 | |
| 400.01 | Water activity, Aqualab chilled mirror (Units) | 2167 | 0.22650 | 0.00100 | | | | 2 | | 0 | |
| 400.99 | Water activity, Miscellaneous (Units) | 2083 | 0.27100 | 0.01200 | | | | 1 | | 0 | |
| 516.43 | Arsenic, total, ICP, Microwave (mg / kg (ppm)) | 2124 | 0.00000 | 0.00000 | | | | 0 | | 4 | |

Test Material Code # 201741

Method Proficiency Testing Report

Issue Date : 04/30/2017

| Method Code | Analyte Name and Method (Units) | Lab Code | Lab Data | | Method Values | | | | AAFCO PT Z Score | Threshold %RSD | Flag |
|-------------|--|----------|----------|---------|---------------|-----------|-------|--------|------------------|----------------|------|
| | | | Value | Range | Rob Mean | Robust SD | R-bar | # Labs | | | |
| 516.53 | Arsenic, total, ICP-MS, Microwave (mg / kg (ppm)) | 0227 | 0.01550 | 0.00300 | | | | 1 | | 0 | |
| 518.43 | Cadmium, ICP, Microwave (mg / kg (ppm)) | 2124 | 0.04550 | 0.00300 | | | | 1 | | 0 | |
| 518.53 | Cadmium, ICP-MS, Microwave (mg / kg (ppm)) | 0227 | 0.02300 | 0.00200 | | | | 1 | | 0 | |
| 520.43 | Chromium, ICP, Microwave (mg / kg (ppm)) | 0510 | 0.12500 | 0.03000 | | | | 1 | | 0 | |
| 520.53 | Chromium, ICP-MS, Microwave (mg / kg (ppm)) | 2023 | 0.11500 | 0.01000 | | | | 1 | | 0 | |
| 526.53 | Lead, ICP-MS, Microwave (mg / kg (ppm)) | 0227 | 0.01300 | 0.00000 | | | | 1 | | 0 | |
| 539.53 | Nickel, ICP-MS, Microwave (mg / kg (ppm)) | 2023 | 1.2650 | 0.05000 | | | | 1 | | 0 | |
| 710.99 | Lauric Acid (12:0), Miscellaneous (% (w/w)) | 0676 | 0.00200 | 0.00000 | | | | 1 | | 0 | |
| 710.99 | Lauric Acid (12:0), Miscellaneous (% (w/w)) | 2124 | 0.00000 | 0.00000 | | | | 1 | | 4 | |
| 714.99 | Myristic Acid (14:0), Miscellaneous (% (w/w)) | 2124 | 0.01050 | 0.00100 | | | | 1 | | 0 | |
| 716.99 | Palmitic Acid (16:0), Miscellaneous (% (w/w)) | 2124 | 0.66700 | 0.03200 | | | | 1 | | 0 | |
| 718.99 | Palmitoleic Acid (9c-16:1), Miscellaneous (% (w/w)) | 0676 | 0.06600 | 0.00000 | | | | 2 | | 0 | |
| 718.99 | Palmitoleic Acid (9c-16:1), Miscellaneous (% (w/w)) | 2124 | 0.07200 | 0.00200 | | | | 2 | | 0 | |
| 722.99 | Stearic Acid (18:0), Miscellaneous (% (w/w)) | 2124 | 0.16650 | 0.00700 | | | | 1 | | 0 | |
| 724.99 | Oleic Acid (9c-18:1), Miscellaneous (% (w/w)) | 2124 | 5.6140 | 0.17200 | | | | 1 | | 0 | |
| 726.99 | Linoleic Acid (9c,12c-18:2), Miscellaneous (% (w/w)) | 0676 | 2.3855 | 0.00300 | | | | 2 | | 0 | |
| 726.99 | Linoleic Acid (9c,12c-18:2), Miscellaneous (% (w/w)) | 2124 | 2.5280 | 0.05600 | | | | 2 | | 0 | |
| 728.99 | alpha-Linolenic Acid (9c,12c,15c-18:3), Miscellaneous (% (w/w)) | 2124 | 0.89150 | 0.01300 | | | | 2 | | 0 | |
| 728.99 | alpha-Linolenic Acid (9c,12c,15c-18:3), Miscellaneous (% (w/w)) | 0676 | 0.91900 | 0.00400 | | | | 2 | | 0 | |
| 740.99 | Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5), Miscellaneous (% (w/w)) | 0676 | 0.08100 | 0.00200 | | | | 1 | | 0 | |
| 740.99 | Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5), Miscellaneous (% (w/w)) | 2124 | 0.00000 | 0.00000 | | | | 1 | | 4 | |
| 750.99 | Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6), Miscellaneous (% (w/w)) | 2124 | 0.00300 | 0.00200 | | | | 1 | | 0 | |
| 754.99 | Total n-3 Polyunsaturated (Omega-3) Fatty Acids, Miscellaneous (% (w/w)) | 2114 | 0.89000 | 0.04000 | | | | 3 | | 0 | |
| 754.99 | Total n-3 Polyunsaturated (Omega-3) Fatty Acids, Miscellaneous (% (w/w)) | 2124 | 0.93500 | 0.01000 | | | | 3 | | 0 | |
| 754.99 | Total n-3 Polyunsaturated (Omega-3) Fatty Acids, Miscellaneous (% (w/w)) | 0676 | 1.0000 | 0.00000 | | | | 3 | | 0 | |
| 756.99 | Total n-6 Polyunsaturated (Omega-6) Fatty Acids, Miscellaneous (% (w/w)) | 0676 | 2.4000 | 0.00000 | | | | 3 | | 0 | |
| 756.99 | Total n-6 Polyunsaturated (Omega-6) Fatty Acids, Miscellaneous (% (w/w)) | 2124 | 2.6200 | 0.06000 | | | | 3 | | 0 | |
| 756.99 | Total n-6 Polyunsaturated (Omega-6) Fatty Acids, Miscellaneous (% (w/w)) | 2114 | 2.6250 | 0.05000 | | | | 3 | | 0 | |
| 758.99 | Total Saturated Fatty Acids, Miscellaneous (% (w/w)) | 0160 | 0.73860 | 0.00400 | | | | 1 | | 0 | |
| 762.99 | Total Monounsaturated Fatty Acids, Miscellaneous (% (w/w)) | 0160 | 5.2991 | 0.01500 | | | | 1 | | 0 | |
| 766.99 | Total Polyunsaturated Fatty Acids, Miscellaneous (% (w/w)) | 0160 | 2.6855 | 0.00280 | | | | 1 | | 0 | |
| 772.99 | Total Fatty Acids, Miscellaneous (% (w/w)) | 2124 | 10.180 | 0.28000 | | | | 1 | | 0 | |

Notes: Interpreting Z Scores: Red indicates a normally distributed Z value >3 or <-3 (requires action), Orange = Z between 2 and 3 or -2 and -3 (warning) and Green = Z < 2 and >-2 (OK at 95%). Flags indicate data usage: 0 = Used, 1 = Rejected for duplicates too far apart, 2 = Rejected as outlier, 8 = Analyst data exempt and 4 = zeros submitted as values. Robust statistics not used if < 6 labs reporting, in this case the Z Scores may be included for information only (Grey, No Action!). Flag 3 indicates not used in statistics.