



AAFCO
Proficiency Testing Program



Animal Feed Scheme
Chicken Feed, Medicated
Test Material Code # 202029

Analyte Summary Report

Labs Reporting: 179
Analytes Reported: 113
Issue Date : 10/31/2020

Analyte Group Code	Analyte and Method	Total # Tests Submitted	# Tests in Robust Calcs	Raw Mean	Raw SD	Assigned Value Robust Mean	AAFCO #fp Robust SD	Uncertainty (U) Robust	% RSD - Robust	Average Range (R-bar)	Thompson Horwitz %RSD
000	Urea (%)	1	1	0.4000							
001	Loss on Drying (%)	80	78	9.648	0.6130	9.736	0.3559	0.0504	3.66%	0.1028	2.84%
002	Protein, Crude (%)	176	170	19.90	0.3010	19.88	0.2513	0.0241	1.26%	0.1549	2.24%
003	Fat, Crude (%)	147	143	2.482	0.3354	2.469	0.2109	0.0220	8.54%	0.0928	3.49%
004	Fiber, Crude (%)	119	118	3.361	0.5036	3.344	0.3854	0.0444	11.53%	0.1754	3.34%
005	Ash (%)	114	111	6.191	0.3027	6.184	0.2748	0.0326	4.44%	0.0615	3.04%
006	Total Sugars (%)	6	6	5.186	0.7269	5.186	0.8243	0.4207	15.90%	0.1653	3.12%
008	Fiber, Acid Detergent (%)	59	58	4.507	0.3757	4.504	0.3815	0.0626	8.47%	0.1914	3.19%
009	Fiber, Neutral Detergent (%)	58	57	11.10	0.9959	11.03	0.8010	0.1326	7.26%	0.3156	2.79%
010	Moisture (%)	25	23	10.04	0.5813	9.996	0.5335	0.1391	5.34%	0.1670	2.83%
011	Loss on Drying (%)	63	61	10.46	0.4745	10.51	0.3315	0.0531	3.16%	0.0912	2.81%
012	Starch (%)	35	34	39.04	2.464	38.94	2.410	0.5166	6.19%	0.6360	1.60%
013	Fat, Acid Pretreat (%)	45	44	3.411	0.5640	3.425	0.5486	0.1034	16.01%	0.1734	3.32%
015	Aluminum (ppm)	19	19	85.56	17.02	85.64	18.92	5.425	22.09%	5.760	8.19%
017	Boron (ppm)	22	19	11.62	1.258	11.48	1.004	0.2879	8.74%	0.4385	11.08%
019	Calcium (%)	131	129	1.171	0.0813	1.174	0.0625	0.0069	5.32%	0.0274	3.90%
021	Cobalt (ppm)	30	28	0.8351	0.4587	0.7760	0.3307	0.0781	42.61%	0.0534	16.62%
022	Copper (ppm)	80	78	13.17	2.027	13.07	1.325	0.1875	10.14%	0.8380	10.86%
025	Iron (ppm)	74	71	202.5	17.17	202.9	17.40	2.582	8.58%	6.129	7.19%
027	Magnesium (%)	95	92	0.1963	0.0135	0.1958	0.0124	0.0016	6.31%	0.0044	5.11%
028	Manganese (ppm)	88	87	87.93	14.77	90.07	6.845	0.9173	7.60%	2.925	8.13%
031	Phosphorus (%)	128	125	0.6738	0.0389	0.6758	0.0330	0.0037	4.88%	0.0151	4.24%
032	Potassium (%)	79	77	1.007	0.0563	1.008	0.0499	0.0071	4.95%	0.0211	3.99%
033	Salt as chloride (%)	69	66	0.6432	0.2079	0.6254	0.0413	0.0064	6.61%	0.0136	4.29%
034	Selenium (ppm)	21	15	0.4846	0.1707	0.4420	0.0804	0.0259	18.19%	0.0425	18.09%
035	Sodium (%)	94	93	0.2086	0.0264	0.2076	0.0134	0.0017	6.45%	0.0072	5.07%
036	Sulfur (%)	50	49	0.2608	0.0220	0.2606	0.0214	0.0038	8.20%	0.0077	4.90%
037	Zinc (ppm)	90	89	104.1	12.80	105.1	7.932	1.051	7.55%	3.773	7.94%
038	Molybdenum (ppm)	25	22	1.573	0.3496	1.511	0.1964	0.0523	13.00%	0.1231	15.03%

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040	Barium (ppm)	3	3	6.239	0.7131	6.239	0.7131	0.4117	11.43%	0.1521	12.14%
041	Vanadium (ppm)	3	2	0.6508	0.0979	0.6508	0.0979	0.0692	15.05%	0.0645	17.07%
042	Chloride (%)	5	5	0.5890	0.2687	0.5890	0.2687	0.1202	45.62%	0.0140	4.33%
101	Choline Chloride (ppm)	1	1	2,050							
102	Niacin (ppm)	4	4	66.96	32.39	66.96	32.39	16.19	48.37%	5.925	8.50%
103	Pantothenic Acid (ppm)	3	3	29.72	14.46	29.72	14.46	8.347	48.65%	10.83	9.60%
104	Riboflavin (ppm)	3	3	16.87	4.053	16.87	4.053	2.340	24.02%	0.5833	10.46%
105	Thiamine (ppm)	3	3	3.588	1.365	3.588	1.365	0.7883	38.05%	0.1967	13.20%
106	Vitamin A (KU / kg)	13	11	12.39	4.798	13.52	2.736	1.031	20.24%	1.137	
107	Vitamin B12 (ppb)	1	1	36.05							
108	Vitamin D3 (KU / kg)	8	8	3.851	1.209	3.676	0.9227	0.4078	25.10%	0.4763	
109	Vitamin E (IU / kg)	11	11	51.88	9.487	52.33	9.708	3.659	18.55%	1.426	
111	Vitamin C, Phosphorylated (ppm)	1		4.400							
112	Pyridoxine (µg / g)	3	3	5.442	3.054	5.442	3.054	1.763	56.12%	0.6433	12.40%
113	Folic Acid (ppm)	1	1	6.920							
114	Biotin (ppm)	2	2	0.3683	0.1672						
115	Non Protein N (NPN) (%)	1	1	0.5100							
118	Peroxide value (meq/kg)	1	1	1.475							
120	Alanine (%)	29	29	0.9438	0.0389	0.9475	0.0292	0.0068	3.08%	0.0145	4.03%
121	Arginine (%)	28	28	1.292	0.0833	1.294	0.0549	0.0130	4.24%	0.0200	3.85%
122	Aspartic (%)	28	27	1.973	0.1106	1.973	0.0706	0.0170	3.58%	0.0213	3.61%
124	Cysteine/Cystine (%)	29	28	0.3195	0.0585	0.3171	0.0307	0.0072	9.67%	0.0087	4.75%
125	Glutamic (%)	29	29	3.501	0.2254	3.502	0.1569	0.0364	4.48%	0.0391	3.31%
126	Glycine (%)	29	27	0.8378	0.0307	0.8357	0.0279	0.0067	3.34%	0.0133	4.11%
127	Histidine (%)	29	28	0.5232	0.0565	0.5164	0.0245	0.0058	4.75%	0.0107	4.42%
128	Isoleucine (%)	29	28	0.7908	0.0470	0.7896	0.0504	0.0119	6.38%	0.0159	4.14%
129	Leucine (%)	29	28	1.551	0.0674	1.545	0.0494	0.0117	3.20%	0.0161	3.75%
130	L-Lysine (%)	31	30	1.043	0.1063	1.047	0.0580	0.0132	5.54%	0.0177	3.97%
131	Methionine (%)	29	29	0.2879	0.0374	0.2919	0.0232	0.0054	7.95%	0.0073	4.81%
132	Phenylalanine (%)	29	28	0.9326	0.0575	0.9268	0.0404	0.0095	4.36%	0.0132	4.05%
133	Proline (%)	28	27	1.154	0.1037	1.154	0.0762	0.0183	6.61%	0.0270	3.91%
134	Serine (%)	29	28	0.9302	0.0881	0.9381	0.0505	0.0119	5.38%	0.0140	4.04%
135	Threonine (%)	29	28	0.7237	0.0479	0.7272	0.0349	0.0082	4.79%	0.0081	4.20%
136	Tryptophan (%)	23	22	0.2628	0.0616	0.2564	0.0302	0.0081	11.79%	0.0068	4.91%
137	Tyrosine (%)	23	22	0.6389	0.1121	0.6399	0.1010	0.0269	15.78%	0.0156	4.28%
138	Valine (%)	29	27	0.9064	0.0475	0.9072	0.0521	0.0125	5.75%	0.0163	4.06%
139	Taurine (%)	5	3	0.0460	0.0485	0.0460	0.0485	0.0280	105.52%	0.0007	6.36%
160	Fructose (%)	3	3	0.1633	0.0274	0.1633	0.0274	0.0158	16.79%	0.0093	5.25%
161	Galactose (%)	1		0.0000							
162	Glucose (%)	3	2	0.1405	0.0403	0.1405	0.0403	0.0285	28.69%	0.0090	5.37%

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163	Lactose (%)	3									
164	Maltose (%)	2		0.0000							
165	Sucrose (%)	3	3	2.641	0.3331	2.641	0.3331	0.1923	12.61%	0.1317	3.46%
166	Raffinose (%)	3	3	0.5360	0.1673	0.5360	0.1673	0.0966	31.21%	0.0387	4.39%
167	Stachyose (%)	3	3	1.336	0.1435	1.336	0.1435	0.0829	10.74%	0.0693	3.83%
345	Amprolium (ppm)	12	12	69.62	20.80	67.23	17.19	6.203	25.57%	3.411	8.49%
386	Tiamulin (ppm)	11	11	90.66	12.25	90.66	13.88	5.232	15.31%	1.820	8.12%
400	Water Activity (Units)	10	9	0.5423	0.0143	0.5436	0.0130	0.0054	2.39%	0.0056	
516	Arsenic, Total (ppm)	13	5	0.0409	0.0032	0.0409	0.0032	0.0020	7.80%	0.0092	22.00%
518	Cadmium (ppm)	14	11	0.0605	0.0157	0.0630	0.0107	0.0041	17.06%	0.0019	22.00%
520	Chromium (ppm)	16	14	4.470	1.292	4.566	1.220	0.4075	26.72%	0.0842	12.73%
526	Lead (ppm)	13	9	0.1322	0.0710	0.1246	0.0516	0.0215	41.40%	0.0193	21.88%
529	Mercury (ppb)	5	1								
539	Nickel (ppm)	10	9	2.862	0.5621	2.862	0.6367	0.2653	22.25%	0.0684	13.66%
702	Butyric Acid (4:0) (%)	1		0.0200							
704	Caproic Acid (6:0) (%)	1		0.0200							
706	Caprylic acid (8:0) (%) (w/w)	1		0.0200							
708	Capric acid (10:0) (%) (w/w)	1		0.0200							
710	Lauric Acid (12:0) (%) (w/w)	2		0.0050							
714	Myristic Acid (14:0) (%) (w/w)	2		0.0050							
716	Palmitic Acid (16:0) (%) (w/w)	2	2	0.5050	0.0834						
718	Palmitoleic Acid (9c-16:1) (%) (w/w)	2	1	0.0055							
720	Margaric acid (17:0) (%) (w/w)	1		0.0200							
722	Stearic Acid (18:0) (%) (w/w)	2	2	0.0760	0.0099						
724	Oleic Acid (9c-18:1) (%) (w/w)	2	2	0.6535	0.0417						
726	Linoleic Acid (9c,12c-18:2) (%) (w/w)	2	2	1.541	0.0803						
728	alpha-Linolenic Acid (9c,12c,15c-18:3) (%) (w/w)	2	2	0.0990	0.0106						
730	Arachidic Acid (20:0) (%) (w/w)	2	1	0.0100							
732	Gondoic Acid (11c-20:1) (%) (w/w)	2	1	0.0100							
736	Arachidonic Acid (5c,8c,11c,14c-20:4) (%) (w/w)	1		0.0200							
740	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5) (%) (w/w)	2		0.0000							
742	Behenic Acid (22:0) (%) (w/w)	2	1	0.0070							
744	Erucic Acid (13c-22:1) (%) (w/w)	2		0.0050							
746	Docosapentaenoic Acid n-3 DPA (7c,10c,13c,16c,19c-22:5) (%) (w/w)	2		0.0000							
748	Lignoceric Acid (24:0) (%) (w/w)	2	1	0.0080							
750	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6) (%) (w/w)	2		0.0000							
752	Nervonic Acid (24:1) isomers (%) (w/w)	2		0.0050							
754	Total n-3 Polyunsaturated (Omega-3) Fatty Acids (%) (w/w)	1	1	0.1165							
756	Total n-6 Polyunsaturated (Omega-6) Fatty Acids (%) (w/w)	1	1	1.602							
758	Total Saturated Fatty Acids (%) (w/w)	1	1	0.7000							

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764	Total cis Monounsaturated Fatty Acids (% (w/w))	1	1	0.7355							
768	Total cis Polyunsaturated Fatty Acids (% (w/w))	1	1	1.721							
770	Total Fat (equivalent to NLEA) (% (w/w))	1	1	3.301							
772	Total Fatty Acids (% (w/w))	2	2	2.958	0.2800						

Notes: Robust statistics not used if < 6 labs reporting. In this case Means and SD's may be reported based on Raw Data with obvious blunders removed. Robust Assigned Values indicated in bold font.