



AAFCO
Association of American Feed Control Officials



Animal Feed Scheme
Beef Feed, Medicated
Test Material Code # 202329

Analyte Summary Report

Labs Reporting: 167
Analytes Reported: 123
Issue Date : 10/31/2023

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 (Rob R-bar)	Thompson Horwitz %RSD
000	Urea (%)	1	1	1.050							
001	Loss on Drying (%)	70	69	8.949	1.034	8.906	0.3363	0.0506	3.78%	0.1272	2.88%
002	Protein, Crude (%)	156	152	34.74	1.103	34.63	0.4372	0.0443	1.26%	0.2150	1.70%
003	Fat, Crude (%)	122	120	2.251	0.3524	2.236	0.2364	0.0270	10.57%	0.0783	3.54%
004	Fiber, Crude (%)	112	110	6.417	1.035	6.365	0.8953	0.1067	14.07%	0.2058	3.03%
005	Ash (%)	129	125	16.39	0.8801	16.45	0.5500	0.0615	3.34%	0.1419	2.47%
006	Total Sugars (%)	9	9	7.811	1.974	7.889	1.789	0.7453	22.68%	0.2368	2.93%
008	Fiber, Acid Detergent (%)	62	60	8.417	0.8034	8.388	0.6331	0.1022	7.55%	0.2453	2.90%
009	Fiber, Neutral Detergent (%)	57	54	13.92	3.159	13.47	1.317	0.2239	9.78%	0.2599	2.70%
010	Moisture (%)	21	21	8.834	0.6180	8.839	0.6849	0.1868	7.75%	0.0992	2.88%
011	Loss on Drying, HT (%)	62	60	9.874	0.7594	9.819	0.4092	0.0660	4.17%	0.0995	2.84%
012	Starch (%)	36	35	3.794	2.382	3.523	1.476	0.3118	41.88%	0.1706	3.31%
013	Fat, Pretreat (%)	45	43	3.249	0.5263	3.248	0.5584	0.1065	17.19%	0.1441	3.35%
015	Aluminum (ppm)	17	17	339.5	86.21	348.6	76.19	23.10	21.85%	7.068	6.63%
017	Boron (ppm)	16	16	23.83	6.664	25.22	3.530	1.103	14.00%	1.130	9.84%
019	Calcium (%)	111	108	3.332	0.2469	3.341	0.1688	0.0203	5.05%	0.0736	3.34%
021	Cobalt (ppm)	28	28	3.352	0.6779	3.408	0.6336	0.1497	18.59%	0.1345	13.30%
022	Copper (ppm)	81	79	65.08	5.357	65.13	4.924	0.6925	7.56%	2.113	8.53%
024	Iodine (ppm)	1	1	5.474							
025	Iron (ppm)	75	73	576.7	101.1	595.0	52.34	7.657	8.80%	18.04	6.12%
027	Magnesium (%)	80	78	0.4828	0.0252	0.4832	0.0243	0.0034	5.04%	0.0138	4.46%
028	Manganese (ppm)	81	80	313.4	25.11	313.3	20.85	2.914	6.65%	9.989	6.74%
030	Nitrate (%)	1	1	0.0051							
031	Phosphorus (%)	109	105	1.493	0.0993	1.487	0.0829	0.0101	5.58%	0.0298	3.77%
032	Potassium (%)	85	83	1.887	0.1316	1.883	0.0963	0.0132	5.12%	0.0419	3.64%
033	Salt as chloride (%)	60	57	2.477	0.1679	2.505	0.0799	0.0132	3.19%	0.0299	3.48%
034	Selenium, Total (Se) (ppm)	21	19	2.064	0.4181	2.027	0.3880	0.1113	19.14%	0.0653	14.38%
035	Sodium (%)	77	75	0.9970	0.0965	0.9901	0.0535	0.0077	5.41%	0.0270	4.01%
036	Sulfur (%)	43	41	0.6200	0.0525	0.6155	0.0404	0.0079	6.56%	0.0172	4.30%

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037	Zinc (ppm)	79	78	409.8	46.33	412.2	33.38	4.724	8.10%	13.66	6.46%
038	Molybdenum (ppm)	25	24	1.530	0.3147	1.529	0.2980	0.0760	19.50%	0.0908	15.01%
040	Barium (ppm)	1	1	13.63							
041	Vanadium (ppm)	1	1	2.907							
042	Chloride (%)	4	4	1.505	0.0992	1.505	0.0992	0.0496	6.59%	0.0206	3.76%
101	Choline Chloride (ppm)	1	1	2,940							
102	Niacin (ppm)	2	2	170.5	27.58						
103	Pantothenic Acid (ppm)	1	1	90.50							
104	Riboflavin (ppm)	2	2	32.58	4.773						
105	Thiamine (ppm)	2	2	7.775	9.320						
106	Vitamin A (KU / kg)	12	11	22.48	4.899	22.48	5.555	2.094	24.71%	1.321	
107	Vitamin B12 (ppb)	1	1	37.55							
108	Vitamin D3 (KU / kg)	6	6	5.287	0.1875	5.300	0.1826	0.0932	3.45%	0.3248	
109	Vitamin E (IU / kg)	12	12	188.7	16.37	188.4	17.87	6.448	9.48%	21.01	
111	Vitamin C, Phosphorylated (ppm)	2		1.000							
112	Pyridoxine (µg / g)	2	2	3.160	0.7637						
113	Folic Acid (ppm)	2	2	5.556	1.406						
114	Biotin (ppm)	2	2	1.072	0.1948						
115	Non Protein N (NPN) (%)	2	2	1.262	1.309						
120	Alanine (%)	28	27	1.447	0.0542	1.452	0.0502	0.0121	3.46%	0.0298	3.78%
121	Arginine (%)	28	28	2.738	0.2264	2.748	0.1390	0.0328	5.06%	0.0711	3.44%
122	Aspartic (%)	28	28	3.651	0.2225	3.643	0.1483	0.0350	4.07%	0.0739	3.29%
124	Cysteine/Cystine (%)	29	28	0.4719	0.0445	0.4778	0.0291	0.0069	6.09%	0.0152	4.47%
125	Glutamic (%)	28	28	6.379	0.3757	6.362	0.3040	0.0718	4.78%	0.0910	3.03%
126	Glycine (%)	28	27	1.445	0.0816	1.446	0.0529	0.0127	3.66%	0.0262	3.78%
127	Histidine (%)	28	28	0.8925	0.1244	0.8851	0.0581	0.0137	6.56%	0.0284	4.07%
128	Isoleucine (%)	28	27	1.372	0.1433	1.389	0.0709	0.0171	5.10%	0.0290	3.81%
129	Leucine (%)	28	27	2.394	0.1484	2.418	0.0926	0.0223	3.83%	0.0430	3.50%
130	L-Lysine (%)	29	28	1.910	0.1517	1.905	0.1038	0.0245	5.45%	0.0489	3.63%
131	Methionine (%)	29	28	0.4309	0.0445	0.4312	0.0362	0.0086	8.41%	0.0176	4.54%
132	Phenylalanine (%)	28	27	1.730	0.1155	1.738	0.0671	0.0162	3.86%	0.0402	3.68%
133	Proline (%)	27	26	1.662	0.2256	1.615	0.0798	0.0196	4.94%	0.0352	3.72%
134	Serine (%)	28	28	1.636	0.1082	1.643	0.0919	0.0217	5.59%	0.0378	3.71%
135	Threonine (%)	29	28	1.266	0.0809	1.270	0.0535	0.0126	4.21%	0.0364	3.86%
136	Tryptophan (%)	21	21	0.4526	0.0488	0.4554	0.0482	0.0131	10.58%	0.0160	4.50%
137	Tyrosine (%)	25	25	1.101	0.1258	1.104	0.1040	0.0260	9.42%	0.0253	3.94%
138	Valine (%)	28	27	1.542	0.1562	1.564	0.0833	0.0200	5.32%	0.0273	3.74%
139	Taurine (%)	7	3	0.0079	0.0063	0.0079	0.0063	0.0046	79.82%		8.28%
160	Fructose (%)	2	2	0.3175	0.1874						
161	Galactose (%)	1		0.0000							

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162	Glucose (%)	3	2	4.438	6.170	4.438	6.170	4.362	139.03%		3.20%
163	Lactose (%)	2		0.0000							
164	Maltose (%)	3	1								
165	Sucrose (%)	3	3	4.780	0.3097	4.780	0.3097	0.1788	6.48%	0.1800	3.16%
166	Raffinose (%)	2	2	1.525	0.1626						
167	Stachyose (%)	2	2	2.715	0.1061						
351	Chlortetracycline (ppm)	16	16	113.2	44.27	106.0	23.92	7.476	22.56%	6.563	7.93%
354	Decoquinatate (ppm)	1		0.1000							
361	Lasalocid Sodium (ppm)	21	20	196.9	31.15	193.6	21.08	5.892	10.89%	5.838	7.24%
365	Monensin (ppm)	3	2	195.0	14.07	195.0	14.07	9.950	7.22%	28.50	7.23%
367	Nicarbazin (ppm)	1		0.1000							
386	Tiamulin (ppm)	1		1.000							
388	Tylosin (ppm)	1		0.2000							
392	Fenbendazole (ppm)	1		1.000							
400	Water Activity (Units)	11	11	0.5631	0.0074	0.5631	0.0083	0.0031	1.48%	0.0019	
413	Starch, Resistant (%)	1	1	2.770							
516	Arsenic, Total (As) (ppm)	7	5	0.1359	0.0136	0.1359	0.0136	0.0076	10.01%	0.0187	21.60%
518	Cadmium (ppm)	10	9	0.1603	0.0135	0.1603	0.0154	0.0064	9.58%	0.0149	21.07%
520	Chromium, Total (Cr) (ppm)	14	14	12.26	1.687	12.26	1.913	0.6391	15.61%	0.7839	10.97%
526	Lead (ppm)	9	6	0.3091	0.0197	0.3096	0.0212	0.0108	6.86%	0.0279	19.08%
529	Mercury (ppb)	4	1								
539	Nickel (ppm)	9	9	5.540	1.019	5.540	1.155	0.4812	20.85%	0.2913	12.36%
702	Butyric Acid (4:0) (%)	1		0.0200							
704	Caproic Acid (6:0) (%)	1		0.0200							
706	Caprylic acid (8:0) (%) (w/w)	2		0.0200							
708	Capric acid (10:0) (%) (w/w)	2		0.0200							
710	Lauric Acid (12:0) (%) (w/w)	4									
714	Myristic Acid (14:0) (%) (w/w)	3	2	0.2873	0.3856	0.2873	0.3856	0.2727	134.21%	0.0101	4.83%
716	Palmitic Acid (16:0) (%) (w/w)	3	3	7.141	11.34	7.141	11.34	6.549	158.85%	0.0535	2.98%
718	Palmitoleic Acid (9c-16:1) (%) (w/w)	4	3	0.2077	0.3354	0.2077	0.3354	0.1937	161.50%	0.0051	5.07%
720	Margaric acid (17:0) (%) (w/w)	1		0.0200							
722	Stearic Acid (18:0) (%) (w/w)	3	3	2.064	3.313	2.064	3.313	1.913	160.50%	0.0353	3.59%
724	Oleic Acid (9c-18:1) (%) (w/w)	3	3	7.206	11.64	7.206	11.64	6.720	161.53%	0.0594	2.97%
726	Linoleic Acid (9c,12c-18:2) (%) (w/w)	4	3	1.182	0.1095	1.182	0.1095	0.0632	9.26%	0.0082	3.90%
728	alpha-Linolenic Acid (9c,12c,15c-18:3) (%) (w/w)	4	3	0.0956	0.0079	0.0956	0.0079	0.0046	8.25%	0.0012	5.69%
730	Arachidic Acid (20:0) (%) (w/w)	3	2	0.1618	0.2167	0.1618	0.2167	0.1532	133.91%	0.0151	5.26%
732	Gondoic Acid (11c-20:1) (%) (w/w)	2	1	0.0067							
736	Arachidonic Acid (5c,8c,11c,14c-20:4) (%) (w/w)	2		0.0100							
740	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5) (%) (w/w)	4									
742	Behenic Acid (22:0) (%) (w/w)	3	2	0.1693	0.2272	0.1693	0.2272	0.1607	134.19%	0.0102	5.23%

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744	Erucic Acid (13c-22:1) (% (w/w))	3									
746	Docosapentaenoic Acid n-3 DPA (7c,10c,13c,16c,19c-22:5) (%)	4									
748	Lignoceric Acid (24:0) (% (w/w))	3	2	0.1361	0.1823	0.1361	0.1823	0.1289	133.94%	0.0152	5.40%
750	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6) (%)	4									
752	Nervonic Acid (24:1) isomers (% (w/w))	2		0.0050							
754	Total n-3 Polyunsaturated (Omega-3) Fatty Acids (% (w/w))	2	2	0.0958	0.0081						
756	Total n-6 Polyunsaturated (Omega-6) Fatty Acids (% (w/w))	2	2	1.159	0.1322						
758	Total Saturated Fatty Acids (% (w/w))	2	2	14.37	19.13						
762	Total Monounsaturated Fatty Acids (% (w/w))	1	1	21.76							
764	Total cis Monounsaturated Fatty Acids (% (w/w))	1	1	0.5745							
766	Total Polyunsaturated Fatty Acids (% (w/w))	1	1	47.70							
768	Total cis Polyunsaturated Fatty Acids (% (w/w))	1	1	1.360							
770	Total Fat (equivalent to NLEA) (% (w/w))	1	1	2.921							
772	Total Fatty Acids (% (w/w))	2	2	2.695	0.1371						

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.