



AAFCO
Association of American Feed Control Officials



Animal Feed Scheme
Equine Feed
Test Material Code # 202322

Analyte Summary Report

Labs Reporting: 154
Analytes Reported: 105
Issue Date : 03/31/2023

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 (R-bar)	Thompson Horwitz %RSD
000	Urea (%)	1	1	0.6000							
001	Loss on Drying (%)	64	63	9.234	0.3215	9.246	0.3355	0.0528	3.63%	0.0985	2.86%
002	Protein, Crude (%)	150	149	15.69	0.3681	15.69	0.3278	0.0336	2.09%	0.1591	2.52%
003	Fat, Crude (%)	124	120	6.791	0.3861	6.784	0.3341	0.0381	4.93%	0.1245	3.00%
004	Fiber, Crude (%)	106	103	10.11	0.7301	10.08	0.6990	0.0861	6.93%	0.2845	2.82%
005	Ash (%)	117	113	9.032	0.2918	9.026	0.2602	0.0306	2.88%	0.0936	2.87%
006	Total Sugars (%)	3	3	5.548	0.8883	5.548	0.8883	0.5128	16.01%	0.1700	3.09%
008	Fiber, Acid Detergent (%)	61	59	13.36	1.022	13.24	0.7148	0.1163	5.40%	0.3484	2.71%
009	Fiber, Neutral Detergent (%)	59	58	31.04	1.803	30.84	1.230	0.2018	3.99%	0.3295	1.80%
010	Moisture (%)	19	19	9.328	0.4548	9.332	0.4461	0.1279	4.78%	0.1781	2.86%
011	Loss on Drying, HT (%)	63	62	10.26	0.3813	10.26	0.3875	0.0615	3.78%	0.1386	2.82%
012	Starch (%)	33	31	14.88	1.550	14.79	1.399	0.3142	9.46%	0.2376	2.60%
013	Fat, Pretreat (%)	41	39	8.041	0.6629	8.041	0.6773	0.1356	8.42%	0.2065	2.92%
015	Aluminum (ppm)	13	13	264.5	65.98	269.0	64.88	22.49	24.12%	9.344	6.89%
017	Boron (ppm)	17	16	9.550	1.518	9.672	1.400	0.4376	14.48%	0.3862	11.37%
019	Calcium (%)	113	112	1.301	0.1211	1.298	0.0776	0.0092	5.98%	0.0425	3.85%
021	Cobalt (ppm)	23	22	4.088	0.7451	4.127	0.7402	0.1973	17.94%	0.2334	12.92%
022	Copper (ppm)	87	86	105.8	11.31	106.0	9.739	1.313	9.19%	4.049	7.93%
025	Iron (ppm)	79	78	449.0	96.66	463.5	62.57	8.856	13.50%	15.24	6.35%
027	Magnesium (%)	84	84	0.4168	0.0337	0.4161	0.0249	0.0034	5.98%	0.0122	4.56%
028	Manganese (ppm)	84	81	252.8	26.05	251.9	17.44	2.422	6.92%	8.134	6.96%
030	Nitrate (%)	1	1	0.0099							
031	Phosphorus (%)	110	108	0.9568	0.0620	0.9548	0.0458	0.0055	4.79%	0.0202	4.03%
032	Potassium (%)	83	81	1.048	0.0805	1.052	0.0642	0.0089	6.10%	0.0311	3.97%
033	Salt as chloride (%)	60	59	1.163	0.2455	1.185	0.0958	0.0156	8.08%	0.0328	3.90%
034	Selenium, Total (Se) (ppm)	23	21	1.531	0.3766	1.518	0.3667	0.1000	24.16%	0.1130	15.02%
035	Sodium (%)	82	81	0.5358	0.0406	0.5391	0.0317	0.0044	5.87%	0.0159	4.39%
036	Sulfur (%)	37	36	0.4118	0.0484	0.4155	0.0343	0.0072	8.27%	0.0152	4.56%
037	Zinc (ppm)	88	85	322.7	29.96	323.7	25.51	3.458	7.88%	11.73	6.70%

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038	Molybdenum (ppm)	20	20	2.766	0.4379	2.802	0.4108	0.1148	14.66%	0.1571	13.70%
040	Barium (ppm)	2	2	17.93	4.052						
041	Vanadium (ppm)	1	1	1.328							
042	Chloride (%)	5	5	0.7302	0.0071	0.7302	0.0071	0.0032	0.97%	0.0170	4.19%
101	Choline Chloride (ppm)	1	1	1,120							
102	Niacin (ppm)	1	1	102.0							
103	Pantothenic Acid (ppm)	1	1	17.95							
104	Riboflavin (ppm)	2	2	3.565	0.1909						
105	Thiamine (ppm)	3	3	10.19	3.785	10.19	3.785	2.185	37.16%	0.5767	11.28%
106	Vitamin A (KU / kg)	13	13	13.73	3.496	13.73	3.964	1.374	28.87%	2.531	
108	Vitamin D3 (KU / kg)	6	6	2.057	0.5519	2.057	0.6259	0.3194	30.42%	0.7743	
109	Vitamin E (IU / kg)	16	16	306.4	129.5	294.9	117.3	36.64	39.76%	25.06	
111	Vitamin C, Phosphorylated (ppm)	1	1	55.70							
112	Pyridoxine (µg / g)	1	1	5.435							
113	Folic Acid (ppm)	1	1	1.995							
114	Biotin (ppm)	1	1	2.740							
115	Non Protein N (NPN) (%)	2	2	0.5000	0.4313						
120	Alanine (%)	28	28	0.7008	0.0246	0.7029	0.0187	0.0044	2.66%	0.0150	4.22%
121	Arginine (%)	28	27	0.9766	0.0604	0.9791	0.0464	0.0112	4.74%	0.0298	4.01%
122	Aspartic (%)	28	27	1.131	0.0735	1.141	0.0546	0.0131	4.78%	0.0229	3.92%
124	Cysteine/Cystine (%)	28	28	0.2658	0.0543	0.2672	0.0315	0.0074	11.80%	0.0102	4.88%
125	Glutamic (%)	28	26	2.460	0.1211	2.468	0.1080	0.0265	4.38%	0.0267	3.49%
126	Glycine (%)	29	28	0.7912	0.0534	0.7822	0.0286	0.0068	3.66%	0.0253	4.15%
127	Histidine (%)	29	29	0.3625	0.0402	0.3591	0.0243	0.0056	6.77%	0.0116	4.67%
128	Isoleucine (%)	29	29	0.4836	0.0397	0.4855	0.0353	0.0082	7.27%	0.0106	4.46%
129	Leucine (%)	28	28	0.8819	0.0475	0.8887	0.0313	0.0074	3.52%	0.0172	4.07%
130	L-Lysine (%)	33	32	0.7520	0.0535	0.7542	0.0465	0.0103	6.16%	0.0282	4.17%
131	Methionine (%)	29	28	0.2184	0.0219	0.2189	0.0170	0.0040	7.78%	0.0083	5.03%
132	Phenylalanine (%)	28	28	0.5927	0.0392	0.5941	0.0325	0.0077	5.48%	0.0157	4.33%
133	Proline (%)	28	28	0.8175	0.0742	0.8092	0.0423	0.0100	5.23%	0.0187	4.13%
134	Serine (%)	29	28	0.6289	0.0687	0.6292	0.0525	0.0124	8.34%	0.0138	4.29%
135	Threonine (%)	30	30	0.4960	0.0445	0.5010	0.0348	0.0079	6.94%	0.0171	4.44%
136	Tryptophan (%)	20	19	0.2360	0.0636	0.2299	0.0423	0.0121	18.38%	0.0065	4.99%
137	Tyrosine (%)	24	24	0.3913	0.0503	0.3921	0.0539	0.0138	13.75%	0.0141	4.60%
138	Valine (%)	28	27	0.6798	0.0326	0.6812	0.0308	0.0074	4.53%	0.0155	4.24%
139	Taurine (%)	6	2	0.0335	0.0050	0.0335	0.0050	0.0044	14.78%	0.0000	6.67%
160	Fructose (%)	1	1	0.4700							
162	Glucose (%)	2	2	3.108	3.879						
163	Lactose (%)	1		0.1500							
164	Maltose (%)	1		0.1500							

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165	Sucrose (%)	1	1	3.265							
166	Raffinose (%)	1	1	0.6200							
167	Stachyose (%)	1	1	0.2500							
354	Decoquinatate (ppm)	1		0.2500							
361	Lasalocid Sodium (ppm)	1		0.2500							
365	Monensin (ppm)	15	14	4.579	0.7054	4.563	0.5551	0.1855	12.17%	0.5092	12.73%
379	Salinomycin (ppm)	1		0.2500							
391	Narasin (ppm)	1		0.2500							
400	Water Activity (Units)	11	11	0.5308	0.0139	0.5300	0.0125	0.0047	2.36%	0.0069	
516	Arsenic, Total (As) (ppm)	7	4	0.1486	0.0309	0.1486	0.0309	0.0193	20.81%	0.0137	21.31%
518	Cadmium (ppm)	10	9	0.2009	0.0292	0.2043	0.0245	0.0102	11.99%	0.0066	20.32%
520	Chromium, Total (Cr) (ppm)	13	12	6.155	1.745	6.155	1.979	0.7141	32.16%	0.3071	12.17%
526	Lead (ppm)	10	8	0.2111	0.0607	0.2045	0.0524	0.0231	25.61%	0.0308	20.31%
529	Mercury (ppb)	3	1								
539	Nickel (ppm)	8	8	3.358	0.7522	3.358	0.8530	0.3770	25.40%	0.2355	13.33%
710	Lauric Acid (12:0) (% (w/w))	2	1	0.0052							
714	Myristic Acid (14:0) (% (w/w))	1	1	0.0222							
716	Palmitic Acid (16:0) (% (w/w))	1	1	1.910							
718	Palmitoleic Acid (9c-16:1) (% (w/w))	2	2	0.0098	0.0019						
722	Stearic Acid (18:0) (% (w/w))	1	1	0.3182							
724	Oleic Acid (9c-18:1) (% (w/w))	1	1	1.235							
726	Linoleic Acid (9c,12c-18:2) (% (w/w))	2	2	1.988	0.0470						
728	alpha-Linolenic Acid (9c,12c,15c-18:3) (% (w/w))	2	2	1.518	0.0750						
730	Arachidic Acid (20:0) (% (w/w))	1	1	0.0178							
732	Gondoic Acid (11c-20:1) (% (w/w))	1	1	0.0295							
736	Arachidonic Acid (5c,8c,11c,14c-20:4) (% (w/w))	1		0.0000							
740	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5) (% (w/w))	2		0.0000							
742	Behenic Acid (22:0) (% (w/w))	1	1	0.0157							
744	Erucic Acid (13c-22:1) (% (w/w))	1	1	0.0076							
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))	1	1	0.0185							
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))	1		0.0050							
754	Total n-3 Polyunsaturated (Omega-3) Fatty Acids (% (w/w))	1	1	1.575							
756	Total n-6 Polyunsaturated (Omega-6) Fatty Acids (% (w/w))	1	1	2.025							
772	Total Fatty Acids (% (w/w))	1	1	7.020							

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.

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