



AAFCO
Association of American Feed Control Officials



Animal Feed Scheme
Beef Starter, Medicated
Test Material Code # 202323

Analyte Summary Report

Labs Reporting: 160
Analytes Reported: 111
Issue Date : 04/30/2023

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	0.2000							
001	Loss on Drying (%)	70	66	8.262	0.3924	8.316	0.3004	0.0462	3.61%	0.0957	2.91%
002	Protein, Crude (%)	162	161	18.83	0.3261	18.83	0.2971	0.0293	1.58%	0.1573	2.30%
003	Fat, Crude (%)	128	126	4.190	0.4349	4.187	0.2588	0.0288	6.18%	0.1228	3.22%
004	Fiber, Crude (%)	110	108	14.05	1.059	13.95	0.7581	0.0912	5.43%	0.2338	2.68%
005	Ash (%)	121	117	6.660	0.2435	6.660	0.2465	0.0285	3.70%	0.0604	3.01%
006	Total Sugars (%)	10	10	4.287	1.295	4.287	1.468	0.5803	34.25%	0.1136	3.21%
008	Fiber, Acid Detergent (%)	61	59	19.15	1.278	19.21	1.123	0.1828	5.85%	0.2703	2.28%
009	Fiber, Neutral Detergent (%)	57	56	36.00	1.560	35.95	1.340	0.2239	3.73%	0.4842	1.67%
010	Moisture (%)	18	18	8.388	0.3714	8.411	0.3320	0.0978	3.95%	0.1249	2.90%
011	Loss on Drying, HT (%)	63	62	8.955	0.4165	9.014	0.2872	0.0456	3.19%	0.0746	2.87%
012	Starch (%)	34	33	12.54	1.277	12.50	1.367	0.2975	10.94%	0.2717	2.73%
013	Fat, Pretreat (%)	44	43	5.348	0.6605	5.294	0.5455	0.1040	10.30%	0.1578	3.11%
015	Aluminum (ppm)	16	16	103.1	25.17	106.0	21.50	6.717	20.27%	2.916	7.93%
017	Boron (ppm)	19	18	9.060	1.136	8.970	1.036	0.3051	11.55%	0.3135	11.50%
019	Calcium (%)	117	116	1.003	0.1039	1.008	0.0563	0.0065	5.59%	0.0218	3.99%
021	Cobalt (ppm)	25	24	1.720	0.4262	1.728	0.3771	0.0962	21.83%	0.1548	14.73%
022	Copper (ppm)	85	82	17.55	1.736	17.59	1.636	0.2259	9.30%	0.8567	10.39%
025	Iron (ppm)	77	76	253.5	35.21	258.3	23.15	3.319	8.96%	6.661	6.93%
027	Magnesium (%)	74	73	0.3057	0.0267	0.3059	0.0155	0.0023	5.07%	0.0098	4.78%
028	Manganese (ppm)	82	80	102.8	9.032	102.4	6.020	0.8414	5.88%	2.341	7.97%
030	Nitrate (%)	1	1	0.0045							
031	Phosphorus (%)	115	114	0.6359	0.0393	0.6365	0.0339	0.0040	5.33%	0.0147	4.28%
032	Potassium (%)	87	86	1.062	0.0913	1.067	0.0612	0.0083	5.74%	0.0231	3.96%
033	Salt as chloride (%)	60	59	0.4468	0.1444	0.4141	0.0528	0.0086	12.75%	0.0177	4.57%
034	Selenium, Total (Se) (ppm)	18	16	0.3769	0.1157	0.3589	0.0706	0.0221	19.68%	0.0195	18.66%
035	Sodium (%)	83	82	0.3438	0.0387	0.3471	0.0185	0.0025	5.32%	0.0101	4.69%
036	Sulfur (%)	46	45	0.5560	0.0465	0.5570	0.0427	0.0080	7.67%	0.0128	4.37%
037	Zinc (ppm)	88	86	118.1	10.79	117.6	8.133	1.096	6.91%	3.821	7.81%

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038	Molybdenum (ppm)	23	23	2.173	0.4279	2.220	0.3146	0.0820	14.17%	0.1169	14.19%
040	Barium (ppm)	1	1	14.38							
041	Vanadium (ppm)	1	1	0.3767							
042	Chloride (%)	9	9	0.3246	0.1032	0.3207	0.1082	0.0451	33.74%	0.0170	4.75%
101	Choline Chloride (ppm)	1	1	1,030							
102	Niacin (ppm)	2	2	39.93	38.22						
103	Pantothenic Acid (ppm)	1	1	8.735							
104	Riboflavin (ppm)	2	2	1.780	0.1556						
105	Thiamine (ppm)	3	3	8.633	8.332	8.633	8.332	4.810	96.51%	1.233	11.56%
106	Vitamin A (KU / kg)	14	13	21.99	3.911	21.56	3.275	1.135	15.19%	1.920	
107	Vitamin B12 (ppb)	1	1	6.020							
108	Vitamin D3 (KU / kg)	4	4	5.318	0.6247	5.318	0.6247	0.3124	11.75%	1.119	
109	Vitamin E (IU / kg)	11	11	114.9	22.52	115.7	17.31	6.525	14.97%	5.527	
111	Vitamin C, Phosphorylated (ppm)	1		4.400							
112	Pyridoxine (µg / g)	2	2	3.773	0.8379						
113	Folic Acid (ppm)	2	1	1.515							
114	Biotin (ppm)	1	1	0.3810							
115	Non Protein N (NPN) (%)	3	3	0.3840	0.2636	0.3840	0.2636	0.1522	68.66%	0.0330	4.62%
120	Alanine (%)	27	26	0.9366	0.0862	0.9419	0.0525	0.0129	5.57%	0.0148	4.04%
121	Arginine (%)	27	27	1.139	0.1496	1.161	0.0819	0.0197	7.05%	0.0217	3.91%
122	Aspartic (%)	27	27	1.441	0.1000	1.453	0.0785	0.0189	5.40%	0.0252	3.78%
124	Cysteine/Cystine (%)	28	27	0.3324	0.0467	0.3320	0.0455	0.0109	13.70%	0.0118	4.72%
125	Glutamic (%)	27	27	3.127	0.2909	3.136	0.1961	0.0472	6.25%	0.0432	3.37%
126	Glycine (%)	27	26	0.8538	0.1332	0.8659	0.0763	0.0187	8.81%	0.0171	4.09%
127	Histidine (%)	27	27	0.4618	0.0547	0.4618	0.0522	0.0126	11.30%	0.0111	4.49%
128	Isoleucine (%)	27	27	0.6280	0.0578	0.6303	0.0602	0.0145	9.54%	0.0127	4.29%
129	Leucine (%)	27	26	1.383	0.1058	1.397	0.0856	0.0210	6.13%	0.0163	3.80%
130	L-Lysine (%)	29	29	0.8010	0.0706	0.8096	0.0581	0.0135	7.17%	0.0254	4.13%
131	Methionine (%)	28	27	0.2973	0.0475	0.2902	0.0271	0.0065	9.33%	0.0123	4.82%
132	Phenylalanine (%)	27	26	0.8020	0.0650	0.8070	0.0620	0.0152	7.69%	0.0151	4.13%
133	Proline (%)	26	26	1.098	0.0989	1.103	0.0673	0.0165	6.11%	0.0206	3.94%
134	Serine (%)	27	27	0.8264	0.1001	0.8336	0.0940	0.0226	11.28%	0.0152	4.11%
135	Threonine (%)	28	27	0.6255	0.0655	0.6290	0.0457	0.0110	7.27%	0.0147	4.29%
136	Tryptophan (%)	19	19	0.2475	0.0611	0.2379	0.0249	0.0071	10.46%	0.0097	4.96%
137	Tyrosine (%)	25	25	0.5746	0.0627	0.5775	0.0557	0.0139	9.64%	0.0160	4.34%
138	Valine (%)	27	27	0.8212	0.0612	0.8249	0.0545	0.0131	6.61%	0.0184	4.12%
139	Taurine (%)	6	2	0.0360	0.0085	0.0360	0.0085	0.0075	23.58%	0.0000	6.60%
160	Fructose (%)	3	3	0.2940	0.1179	0.2940	0.1179	0.0681	40.11%	0.0220	4.81%
161	Galactose (%)	1		0.0000							
162	Glucose (%)	3	3	1.958	2.690	1.958	2.690	1.553	137.38%	0.1550	3.61%

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163	Lactose (%)	2		0.0000							
164	Maltose (%)	2	2	0.2850	0.0424						
165	Sucrose (%)	3	3	1.848	0.0775	1.848	0.0775	0.0448	4.19%	0.0433	3.65%
166	Raffinose (%)	2	2	0.7125	0.1945						
167	Stachyose (%)	2	2	0.6750	0.5162						
345	Amprolium (ppm)	16	16	136.8	36.24	141.8	14.99	4.685	10.57%	4.775	7.59%
354	Decoquinatate (ppm)	1		0.2500							
361	Lasalocid Sodium (ppm)	1		0.2500							
365	Monensin (ppm)	24	24	33.63	4.260	33.41	3.518	0.8977	10.53%	1.171	9.43%
379	Salinomycin (ppm)	1		0.0250							
391	Narasin (ppm)	1		0.2500							
400	Water Activity (Units)	14	14	0.4635	0.0414	0.4559	0.0284	0.0095	6.24%	0.0041	
516	Arsenic, Total (As) (ppm)	7	4	0.0516	0.0107	0.0516	0.0107	0.0067	20.81%	0.0062	22.00%
518	Cadmium (ppm)	11	9	0.1300	0.0235	0.1276	0.0208	0.0087	16.28%	0.0084	21.81%
520	Chromium, Total (Cr) (ppm)	14	13	5.443	1.814	5.726	1.394	0.4834	24.35%	0.1665	12.30%
526	Lead (ppm)	9	7	0.1351	0.0381	0.1309	0.0331	0.0156	25.29%	0.0082	21.72%
529	Mercury (ppb)	4	1								
539	Nickel (ppm)	7	7	3.457	0.8064	3.611	0.5140	0.2429	14.23%	0.0955	13.19%
710	Lauric Acid (12:0) (%) (w/w)	2		0.0000							
714	Myristic Acid (14:0) (%) (w/w)	1	1	0.0110							
716	Palmitic Acid (16:0) (%) (w/w)	2	2	0.5737	0.2810						
718	Palmitoleic Acid (9c-16:1) (%) (w/w)	2	2	0.0119	0.0005						
722	Stearic Acid (18:0) (%) (w/w)	2	2	0.0841	0.0270						
724	Oleic Acid (9c-18:1) (%) (w/w)	2	2	0.6380	0.3507						
726	Linoleic Acid (9c,12c-18:2) (%) (w/w)	3	3	1.993	0.9549	1.993	0.9549	0.5513	47.91%	0.0233	3.61%
728	alpha-Linolenic Acid (9c,12c,15c-18:3) (%) (w/w)	3	3	0.1323	0.0415	0.1323	0.0415	0.0240	31.41%	0.0042	5.42%
730	Arachidic Acid (20:0) (%) (w/w)	1	1	0.0143							
732	Gondoic Acid (11c-20:1) (%) (w/w)	1	1	0.0200							
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	0.0108							
744	Erucic Acid (13c-22:1) (%) (w/w)	1		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)	1	1	0.0132							
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)	2	2	0.1240	0.0552						
756	Total n-6 Polyunsaturated (Omega-6) Fatty Acids (%) (w/w)	2	2	1.765	1.230						
758	Total Saturated Fatty Acids (%) (w/w)	1	1	0.4400							
762	Total Monounsaturated Fatty Acids (%) (w/w)	1	1	0.4100							

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766	Total Polyunsaturated Fatty Acids (% (w/w))	1	1	0.9750							
772	Total Fatty Acids (% (w/w))	2	2	3.138	1.856						

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.