

Animal Feed Scheme
Cattle Feed, Medicated
Test Material Code # 201831

Analyte Summary Report

Analytes Reported: 113
Labs Reporting: 199
Issue Date : 12/31/2018

Analyte Group Code	Analyte and Method	Total # Tests Submitted	# Tests in Robust Calcs	Raw Mean	Raw SD	Assigned Value Robust Mean	AAFCO PT ffp - Robust sd	Uncertainty (U) - Robust	% RSD - Robust	Average Range (R-bar)	Hornitz %RSD
000	Urea (%)	1	1	8.350							
001	Loss on Drying (%)	84	82	7.727	0.3837	7.753	0.2861	0.0395	3.69%	0.1020	2.94%
002	Protein, Crude (%)	198	192	31.41	1.015	31.33	0.4188	0.0378	1.34%	0.1995	1.79%
003	Fat, Crude (%)	155	153	2.728	0.4979	2.724	0.4969	0.0502	18.24%	0.0934	3.44%
004	Fiber, Crude (%)	122	120	9.878	1.162	9.741	0.8412	0.0960	8.64%	0.2830	2.84%
005	Ash (%)	149	145	22.43	1.082	22.51	0.3847	0.0399	1.71%	0.1442	2.11%
006	Total Sugars (%)	5	5	3.372	2.326	3.372	2.326	1.300	68.97%	0.1120	3.33%
008	Fiber, Acid Detergent (%)	64	63	13.38	1.514	13.32	1.345	0.2119	10.10%	0.2680	2.71%
009	Fiber, Neutral Detergent (%)	61	59	24.06	2.367	23.88	1.943	0.3162	8.14%	0.5157	2.05%
010	Moisture (%)	25	23	7.767	0.6746	7.720	0.6449	0.1681	8.35%	0.1070	2.94%
011	Loss on Drying (%)	69	68	8.956	0.5853	8.979	0.5188	0.0786	5.78%	0.1445	2.87%
012	Starch (%)	40	39	7.288	1.999	6.949	0.7577	0.1517	10.90%	0.1819	2.99%
013	Fat, Acid Pretreat (%)	46	45	4.099	0.6706	4.132	0.6197	0.1155	15.00%	0.1077	3.23%
015	Aluminum (mg / kg (ppm))	14	14	494.7	87.43	491.9	88.52	29.57	18.00%	14.09	6.29%
017	Boron (mg / kg (ppm))	16	16	10.88	2.768	10.85	2.166	0.6770	19.97%	0.4796	11.17%
019	Calcium (%)	145	143	4.478	0.3095	4.478	0.2644	0.0276	5.91%	0.1001	3.19%
021	Cobalt (mg / kg (ppm))	28	27	18.22	2.621	18.34	2.207	0.5310	12.04%	0.7439	10.33%
022	Copper (mg / kg (ppm))	99	95	644.1	71.59	646.4	62.31	7.992	9.64%	17.04	6.04%
024	Iodine (mg / kg (ppm))	1	1	33.55							
025	Iron (mg / kg (ppm))	79	78	1,286	208.8	1,306	132.3	18.73	10.13%	41.65	5.43%
027	Magnesium (%)	98	95	0.9234	0.0743	0.9240	0.0482	0.0062	5.22%	0.0221	4.05%
028	Manganese (mg / kg (ppm))	95	92	1,070	81.23	1,072	64.54	8.411	6.02%	25.66	5.60%
031	Phosphorus (%)	136	134	2.140	0.1827	2.149	0.1075	0.0116	5.00%	0.0378	3.56%
032	Potassium (%)	101	96	1.432	0.0991	1.425	0.0774	0.0099	5.43%	0.0263	3.79%
033	Salt as chloride (%)	78	74	4.808	0.3442	4.847	0.2005	0.0291	4.14%	0.0530	3.15%
034	Selenium (mg / kg (ppm))	31	31	9.373	2.408	9.721	1.562	0.3507	16.07%	0.4363	11.36%
035	Sodium (%)	96	93	1.728	0.1858	1.724	0.1138	0.0148	6.60%	0.0419	3.68%
036	Sulfur (%)	38	37	0.6449	0.0550	0.6394	0.0405	0.0083	6.34%	0.0196	4.28%
037	Zinc (mg / kg (ppm))	99	96	1,350	166.2	1,358	98.53	12.57	7.26%	32.84	5.40%
038	Molybdenum (mg / kg (ppm))	21	20	3.620	0.6764	3.577	0.4619	0.1291	12.91%	0.1629	13.20%
040	Barium (mg / kg (ppm))	2	2	7.816	0.3803						
041	Vanadium (mg / kg (ppm))	1	1	6.290							

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042	Chloride (%)	2	2	2.097	1.240						
102	Niacin (mg / kg (ppm))	1	1	67.05							
103	Pantothenic Acid (mg / kg (ppm))	1	1	8.090							
104	Riboflavin (mg / kg (ppm))	3	3	5.197	2.292	5.197	2.292	1.654	44.10%	0.6000	12.48%
105	Thiamine (mg / kg (ppm))	2	2	2.390	0.8556						
106	Vitamin A (KU / kg)	27	27	168.8	50.70	174.9	41.44	9.970	23.70%	19.04	
107	Vitamin B12 (µg / kg (ppb))	1	1	31.70							
108	Vitamin D3 (KU / kg)	5	4	11.07	4.583	11.07	4.583	2.865	41.40%	0.6625	
109	Vitamin E (IU / kg)	20	20	242.8	69.36	249.8	60.70	16.97	24.30%	15.32	
111	Vitamin C, Phosphorylated (mg / kg (ppm))	1	1	14.60							
112	Pyridoxine (µg / g)	1	1	1.985							
113	Folic Acid (mg / kg (ppm))	1	1	0.9130							
114	Biotin (mg / kg (ppm))	1	1	0.2810							
115	Non Protein N (NPN) (%)	1	1	5.515							
118	Peroxide value (meq/kg)	1	1	20.43							
120	Alanine (%)	34	33	1.139	0.1638	1.111	0.0504	0.0110	4.53%	0.0233	3.94%
121	Arginine (%)	34	33	1.712	0.2281	1.743	0.0979	0.0213	5.62%	0.0276	3.68%
122	Aspartic (%)	34	33	1.719	0.1127	1.707	0.0813	0.0177	4.77%	0.0299	3.69%
124	Cysteine/Cystine (%)	33	31	0.3231	0.0446	0.3225	0.0352	0.0079	10.92%	0.0156	4.74%
125	Glutamic (%)	34	32	3.792	0.4023	3.738	0.2125	0.0470	5.69%	0.0502	3.28%
126	Glycine (%)	34	33	1.243	0.0807	1.238	0.0600	0.0131	4.85%	0.0242	3.87%
127	Histidine (%)	34	32	0.5329	0.0322	0.5339	0.0292	0.0065	5.47%	0.0126	4.40%
128	Isoleucine (%)	34	32	0.6558	0.0536	0.6583	0.0510	0.0113	7.74%	0.0131	4.26%
129	Leucine (%)	34	33	1.364	0.1364	1.384	0.0694	0.0151	5.01%	0.0175	3.81%
130	L-Lysine (%)	34	33	0.8656	0.0689	0.8624	0.0451	0.0098	5.23%	0.0173	4.09%
131	Methionine (%)	34	33	0.3152	0.2046	0.2805	0.0345	0.0075	12.29%	0.0121	4.84%
132	Phenylalanine (%)	34	33	0.9514	0.0593	0.9506	0.0557	0.0121	5.86%	0.0145	4.03%
133	Proline (%)	33	32	1.252	0.1510	1.232	0.0971	0.0215	7.88%	0.0380	3.88%
134	Serine (%)	34	33	0.9467	0.2031	0.9070	0.0418	0.0091	4.61%	0.0169	4.06%
135	Threonine (%)	34	32	0.7033	0.0535	0.7015	0.0418	0.0092	5.96%	0.0141	4.22%
136	Tryptophan (%)	22	21	0.2349	0.0793	0.2207	0.0226	0.0062	10.25%	0.0069	5.02%
137	Tyrosine (%)	27	25	0.5997	0.1081	0.6080	0.0801	0.0200	13.17%	0.0115	4.31%
138	Valine (%)	34	33	0.9010	0.0855	0.9072	0.0806	0.0175	8.89%	0.0177	4.06%
139	Taurine (%)	7	4	0.1248	0.0915	0.1248	0.0915	0.0630	73.37%	0.0075	5.47%
160	Fructose (%)	4	3	0.2200	0.0868	0.2200	0.0868	0.0626	39.43%	0.0227	5.02%
161	Galactose (%)	1		0.0000							
162	Glucose (%)	4	3	0.1553	0.0170	0.1553	0.0170	0.0123	10.97%	0.0360	5.29%
163	Lactose (%)	4									
164	Maltose (%)	3									
165	Sucrose (%)	4	3	0.6047	0.0698	0.6047	0.0698	0.0504	11.54%	0.0160	4.31%

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166	Raffinose (%)	3	3	0.8318	0.3074	0.8318	0.3074	0.2219	36.96%	0.0257	4.11%
167	Stachyose (%)	3	3	0.1972	0.0571	0.1972	0.0571	0.0412	28.95%	0.0110	5.11%
365	Monensin (mg/kg (ppm))	24	23	119.3	17.01	117.8	13.38	3.488	11.36%	5.669	7.80%
400	Water Activity (Units)	9	9	0.4976	0.0152	0.4944	0.0079	0.0033	1.60%	0.0018	
412	Starch, Dietary (%)	2	2	6.885	0.1202						
516	Arsenic, Total (mg / kg (ppm))	11	11	1.116	0.2485	1.099	0.2413	0.0910	21.96%	0.0779	15.77%
518	Cadmium (mg / kg (ppm))	12	12	0.4266	0.0440	0.4266	0.0497	0.0179	11.65%	0.0307	18.19%
520	Chromium (mg / kg (ppm))	11	10	18.60	3.545	18.78	3.587	1.418	19.09%	0.8786	10.29%
526	Lead (mg / kg (ppm))	10	10	0.4970	0.0482	0.4929	0.0447	0.0177	9.07%	0.0334	17.79%
529	Mercury (µg / kg (ppb))	1	1	6.559							
539	Nickel (mg / kg (ppm))	5	4	7.870	1.540	7.870	1.540	0.9628	19.57%	0.1949	11.73%
702	Butyric Acid (4:0) (%)	1	1	0.0017							
704	Caproic Acid (6:0) (%)	1	1	0.0055							
706	Caprylic acid (8:0) (%) (w/w)	1	1	0.0008							
708	Capric acid (10:0) (%) (w/w)	1	1	0.0005							
710	Lauric Acid (12:0) (%) (w/w)	3	2	0.0217	0.0117	0.0217	0.0117	0.0103	53.84%	0.0002	
714	Myristic Acid (14:0) (%) (w/w)	3	3	0.0293	0.0101	0.0293	0.0101	0.0073	34.43%	0.0001	
716	Palmitic Acid (16:0) (%) (w/w)	3	3	0.8225	0.1063	0.8225	0.1063	0.0767	12.92%	0.0289	
718	Palmitoleic Acid (9c-16:1) (%) (w/w)	3	2	0.0333	0.0047	0.0333	0.0047	0.0041	14.02%	0.0105	
722	Stearic Acid (18:0) (%) (w/w)	2	2	0.1973	0.0103						
724	Oleic Acid (9c-18:1) (%) (w/w)	3	3	0.8372	0.1160	0.8372	0.1160	0.0837	13.85%	0.0159	
726	Linoleic Acid (9c,12c-18:2) (%) (w/w)	4	4	1.009	0.2942	1.009	0.2942	0.1839	29.15%	0.0805	
728	alpha-Linolenic Acid (9c,12c,15c-18:3) (%) (w/w)	3	3	0.0430	0.0106	0.0430	0.0106	0.0077	24.70%	0.0067	
730	Arachidic Acid (20:0) (%) (w/w)	2	2	0.0188	0.0053						
732	Gondoic Acid (11c-20:1) (%) (w/w)	2	2	0.0186	0.0122						
736	Arachidonic Acid (5c,8c,11c,14c-20:4) (%) (w/w)	1		0.0000							
738	Mead Acid (11c,14c,17c-20:3) (%) (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)	2	1	0.0100							
744	Erucic Acid (13c-22:1) (%) (w/w)	2		0.0000							
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	0.0100							
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		0.0000							
754	Total n-3 Polyunsaturated (Omega-3) Fatty Acids (%) (w/w)	2	2	0.0500	0.0141						
756	Total n-6 Polyunsaturated (Omega-6) Fatty Acids (%) (w/w)	2	2	0.9800	0.4738						
758	Total Saturated Fatty Acids (%) (w/w)	1	1	1.245							
762	Total Monounsaturated Fatty Acids (%) (w/w)	1	1	0.9900							
766	Total Polyunsaturated Fatty Acids (%) (w/w)	1	1	1.385							
770	Total Fat (equivalent to NLEA) (%) (w/w)	1	1	3.815							

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772	Total Fatty Acids (% (w/w))	2	2	3.133	0.7248						

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.