

Animal Feed Scheme
Analyte Summary Report
Analytes Reported: 117
Beef Feed
Labs Reporting: 193
Test Material Code # 201828
Issue Date : 09/30/2018

Analyte Group Code	Analyte and Method	Total # Tests Submitted	# Tests in Robust Calcs	Raw Mean	Raw SD	Assigned Value Robust Mean	AAFCO PT #fp - Robust sd	Uncertainty (U) - Robust	% RSD - Robust	Average Range (R-bar)	Hornitz %RSD
000	Urea (%)	1	1	0.55000							
001	Loss on Drying (%)	79	77	8.9660	0.50527	9.0112	0.41420	0.05900	4.60%	0.12423	2.87%
002	Protein, Crude (%)	187	185	12.083	0.52158	12.046	0.29606	0.02721	2.46%	0.11323	2.75%
003	Fat, Crude (%)	150	149	2.2511	0.41352	2.2516	0.34080	0.03490	15.14%	0.10881	3.54%
004	Fiber, Crude (%)	119	116	18.053	1.7280	17.899	1.2825	0.14885	7.17%	0.35456	2.36%
005	Ash (%)	142	139	16.804	1.2006	16.957	0.63990	0.06784	3.77%	0.17516	2.43%
006	Total Sugars (%)	6	6	5.4842	6.0172	3.5107	1.5456	0.78872	44.03%	0.31833	3.31%
008	Fiber, Acid Detergent (%)	57	55	22.472	1.6844	22.423	1.5445	0.26032	6.89%	0.32888	2.11%
009	Fiber, Neutral Detergent (%)	54	52	35.780	1.9683	35.695	2.0018	0.34700	5.61%	0.41549	1.67%
010	Moisture (%)	23	23	9.2627	0.92663	9.2446	0.80051	0.20865	8.66%	0.12397	2.86%
011	Loss on Drying (%)	77	76	10.061	0.54406	10.102	0.45797	0.06567	4.53%	0.17092	2.82%
012	Starch (%)	37	37	9.1570	1.2613	9.1592	0.99944	0.20538	10.91%	0.24236	2.87%
013	Fat, Acid Pretreat (%)	48	47	3.2709	0.64283	3.2398	0.60026	0.10945	18.53%	0.12093	3.35%
015	Aluminum (mg / kg (ppm))	13	13	270.61	39.342	274.58	34.835	12.077	12.69%	10.894	6.87%
017	Boron (mg / kg (ppm))	17	14	10.765	1.3518	10.655	1.2814	0.42810	12.03%	0.42771	11.20%
019	Calcium (%)	143	141	3.4432	0.24031	3.4502	0.17245	0.01815	5.00%	0.08560	3.32%
021	Cobalt (mg / kg (ppm))	26	26	8.9141	1.8426	9.0953	1.6285	0.39921	17.90%	0.54632	11.47%
022	Copper (mg / kg (ppm))	102	101	231.48	25.743	233.02	25.638	3.1888	11.00%	7.9269	7.04%
023	Fluorine (mg / kg (ppm))	1	1	53.600							
024	Iodine (mg / kg (ppm))	1	1	16.900							
025	Iron (mg / kg (ppm))	79	78	870.36	113.13	883.57	65.105	9.2146	7.37%	36.603	5.76%
027	Magnesium (%)	98	94	0.55089	0.03562	0.54997	0.02746	0.00354	4.99%	0.01271	4.38%
028	Manganese (mg / kg (ppm))	95	94	531.79	35.914	533.91	28.740	3.7054	5.38%	13.776	6.22%
031	Phosphorus (%)	138	137	1.0825	0.07939	1.0871	0.05253	0.00561	4.83%	0.02979	3.95%
032	Potassium (%)	101	100	1.2943	0.10225	1.2999	0.05367	0.00671	4.13%	0.03616	3.84%
033	Salt as chloride (%)	73	72	3.4500	0.28827	3.4956	0.14131	0.02082	4.04%	0.07029	3.31%
034	Selenium (mg / kg (ppm))	29	28	5.5771	0.94385	5.6090	0.71442	0.16877	12.74%	0.19818	12.34%
035	Sodium (%)	99	98	1.2558	0.09499	1.2609	0.07731	0.00976	6.13%	0.03859	3.86%
036	Sulfur (%)	39	38	0.38263	0.02766	0.38150	0.02635	0.00534	6.91%	0.01223	4.62%
037	Zinc (mg / kg (ppm))	95	94	695.47	52.326	698.78	48.161	6.2093	6.89%	21.412	5.97%
038	Molybdenum (mg / kg (ppm))	23	22	4.2047	1.3661	4.0359	0.96675	0.25764	23.95%	0.20295	12.97%
040	Barium (mg / kg (ppm))	2	2	8.5951	0.21934						

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041	Vanadium (mg / kg (ppm))	3	3	4.1417	0.44041	4.1417	0.44041	0.31784	10.63%	0.15000	12.92%
042	Chloride (%)	2	2	2.2600	0.17678						
095	Methoprene (mg/kg (ppm))	3	3	11.292	6.5100	11.292	6.5100	4.6982	57.65%	0.93667	11.11%
101	Choline Chloride (mg / kg (ppm))	1	1	1,155.0							
102	Niacin (mg / kg (ppm))	1	1	55.850							
103	Pantothenic Acid (mg / kg (ppm))	1	1	5.3850							
104	Riboflavin (mg / kg (ppm))	2	2	4.0100	3.7123						
105	Thiamine (mg / kg (ppm))	2	2	1.2450	0.13435						
106	Vitamin A (KU / kg)	25	25	28.570	16.370	24.826	6.4085	1.6021	25.81%	1.9500	
107	Vitamin B12 (µg / kg (ppb))	1	1	29.500							
108	Vitamin D3 (KU / kg)	8	7	8.3442	5.2764	8.3442	5.9834	2.8269	71.71%	1.0387	
109	Vitamin E (IU / kg)	17	17	38.978	14.951	41.027	11.318	3.4313	27.59%	2.0276	
112	Pyridoxine (µg / g)	1	1	3.8800							
113	Folic Acid (mg / kg (ppm))	1	1	0.50700							
114	Biotin (mg / kg (ppm))	1	1	0.19900							
115	Non Protein N (NPN) (%)	1	1	0.74000							
118	Peroxide value (meq/kg)	1	1	20.000							
120	Alanine (%)	32	31	0.65633	0.05884	0.64819	0.03289	0.00738	5.07%	0.01304	4.27%
121	Arginine (%)	32	32	0.47428	0.03016	0.47373	0.02362	0.00522	4.99%	0.01363	4.48%
122	Aspartic (%)	32	31	0.78536	0.04783	0.78274	0.03356	0.00753	4.29%	0.01267	4.15%
124	Cysteine/Cystine (%)	31	29	0.19977	0.05660	0.20831	0.02659	0.00617	12.77%	0.00762	5.06%
125	Glutamic (%)	32	31	1.6319	0.11420	1.6212	0.09212	0.02068	5.68%	0.02309	3.72%
126	Glycine (%)	32	31	0.58184	0.03386	0.57969	0.02752	0.00618	4.75%	0.01166	4.34%
127	Histidine (%)	32	31	0.26382	0.04940	0.26516	0.01604	0.00360	6.05%	0.00520	4.88%
128	Isoleucine (%)	32	31	0.33930	0.03642	0.34219	0.02508	0.00563	7.33%	0.00506	4.70%
129	Leucine (%)	32	31	0.79589	0.03968	0.79342	0.03494	0.00784	4.40%	0.00927	4.14%
130	L-Lysine (%)	34	34	0.40464	0.04816	0.40288	0.02866	0.00614	7.11%	0.01000	4.59%
131	Methionine (%)	34	33	0.12582	0.03843	0.12384	0.01569	0.00341	12.67%	0.00531	5.48%
132	Phenylalanine (%)	32	31	0.40240	0.03820	0.40026	0.03590	0.00806	8.97%	0.00857	4.59%
133	Proline (%)	31	30	0.78117	0.08765	0.76317	0.04670	0.01066	6.12%	0.01748	4.17%
134	Serine (%)	32	31	0.49850	0.03361	0.49728	0.02788	0.00626	5.61%	0.01279	4.44%
135	Threonine (%)	33	32	0.37824	0.02553	0.37816	0.02156	0.00476	5.70%	0.00965	4.63%
136	Tryptophan (%)	19	18	0.08728	0.01312	0.08779	0.01226	0.00361	13.97%	0.00449	5.77%
137	Tyrosine (%)	26	24	0.30656	0.06977	0.30977	0.05400	0.01378	17.43%	0.01288	4.77%
138	Valine (%)	32	31	0.49174	0.04943	0.48864	0.02832	0.00636	5.79%	0.00897	4.45%
139	Taurine (%)	4	3	0.06783	0.07372	0.06783	0.07372	0.05320	108.68%	0.00700	6.00%
160	Fructose (%)	5	5	0.51300	0.10354	0.51300	0.10354	0.05788	20.18%	0.03000	4.42%
162	Glucose (%)	5	4	0.25088	0.06475	0.25088	0.06475	0.04047	25.81%	0.00525	4.93%
163	Lactose (%)	4									
164	Maltose (%)	3	1								

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165	Sucrose (%)	4	2	0.91075	0.01520	0.91075	0.01520	0.01344	1.67%	0.00050	4.06%
166	Raffinose (%)	2	2	0.15800	0.01838						
167	Stachyose (%)	2	2	0.23200	0.04525						
351	Chlortetracycline (mg/kg (ppm))	14	14	862.78	130.13	865.05	142.61	47.643	16.49%	43.802	5.78%
361	Lasalocid Sodium (mg/kg (ppm))	8	8	2.7846	0.77670	2.6107	0.39868	0.17619	15.27%	0.22516	13.85%
365	Monensin (mg/kg (ppm))	26	25	30.765	5.1615	31.071	2.6355	0.65887	8.48%	1.1190	9.54%
373	Oxytetracycline (mg/kg (ppm))	9	9	825.07	180.83	832.50	188.00	78.334	22.58%	32.589	5.81%
388	Tylosin (mg/kg (ppm))	10	10	81.536	33.712	79.731	34.006	13.442	42.65%	9.2857	8.28%
400	Water Activity (Units)	9	9	0.55612	0.00913	0.55541	0.00863	0.00360	1.55%	0.00309	
412	Starch, Dietary (%)	1	1	8.6950							
516	Arsenic, Total (mg / kg (ppm))	12	10	0.66153	0.11223	0.66153	0.12727	0.05031	19.24%	0.02244	17.02%
518	Cadmium (mg / kg (ppm))	14	12	0.27829	0.02937	0.28163	0.02574	0.00929	9.14%	0.01468	19.36%
520	Chromium (mg / kg (ppm))	11	10	22.587	7.5559	22.587	8.5684	3.3870	37.93%	0.94703	10.01%
526	Lead (mg / kg (ppm))	14	11	0.31936	0.06749	0.30769	0.04266	0.01608	13.86%	0.03765	19.10%
529	Mercury (µg / kg (ppb))	1	1	5.0370							
539	Nickel (mg / kg (ppm))	5	5	10.919	4.7350	10.919	4.7350	2.6469	43.36%	0.34754	11.16%
702	Butyric Acid (4:0) (%)	1		0.00000							
704	Caproic Acid (6:0) (%)	1	1	0.00100							
706	Caprylic acid (8:0) (%) (w/w)	1		0.00000							
708	Capric acid (10:0) (%) (w/w)	1		0.00000							
710	Lauric Acid (12:0) (%) (w/w)	4	2	0.00235	0.00092	0.00235	0.00092	0.00081	39.15%	0.00000	
714	Myristic Acid (14:0) (%) (w/w)	3	3	0.02120	0.01224	0.02120	0.01224	0.00883	57.74%	0.00073	
716	Palmitic Acid (16:0) (%) (w/w)	3	3	0.51732	0.05011	0.51732	0.05011	0.03616	9.69%	0.02990	
718	Palmitoleic Acid (9c-16:1) (%) (w/w)	4	4	0.02411	0.00800	0.02411	0.00800	0.00500	33.18%	0.00083	
722	Stearic Acid (18:0) (%) (w/w)	2	2	0.10388	0.00831						
724	Oleic Acid (9c-18:1) (%) (w/w)	3	3	0.62360	0.02813	0.62360	0.02813	0.02030	4.51%	0.02887	
726	Linoleic Acid (9c,12c-18:2) (%) (w/w)	5	4	0.93414	0.11548	0.93414	0.11548	0.07218	12.36%	0.02143	
728	alpha-Linolenic Acid (9c,12c,15c-18:3) (%) (w/w)	5	4	0.09286	0.01277	0.09286	0.01277	0.00798	13.75%	0.00223	
730	Arachidic Acid (20:0) (%) (w/w)	2	1	0.01065							
732	Gondoic Acid (11c-20:1) (%) (w/w)	2	2	0.01768	0.01248						
736	Arachidonic Acid (5c,8c,11c,14c-20:4) (%) (w/w)	2	1	0.00300							
738	Mead Acid (11c,14c,17c-20:3) (%) (w/w)	1		0.00000							
740	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5) (%) (w/w)	2		0.00000							
742	Behenic Acid (22:0) (%) (w/w)	2	1	0.00740							
744	Erucic Acid (13c-22:1) (%) (w/w)	2		0.00000							
746	Docosapentaenoic Acid n-3 DPA (7c,10c,13c,16c,19c-22:5) (%) (w/w)	2		0.00000							
748	Lignoceric Acid (24:0) (%) (w/w)	1	1	0.01225							
750	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6) (%) (w/w)	2		0.00000							
752	Nervonic Acid (24:1) isomers (%) (w/w)	2		0.00000							
754	Total n-3 Polyunsaturated (Omega-3) Fatty Acids (%) (w/w)	3	3	1.1500	1.8187	1.1500	1.8187	1.3125	158.15%	0.03333	

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756	Total n-6 Polyunsaturated (Omega-6) Fatty Acids (% (w/w))	3	3	12.947	20.744	12.947	20.744	14.971	160.22%	0.61333	
758	Total Saturated Fatty Acids (% (w/w))	2	2	13.890	18.540						
762	Total Monounsaturated Fatty Acids (% (w/w))	2	2	14.880	20.039						
766	Total Polyunsaturated Fatty Acids (% (w/w))	2	2	20.560	27.704						
772	Total Fatty Acids (% (w/w))	2	2	2.4349	0.07792						

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.