



AAFCO
Proficiency Testing Program



Animal Feed Scheme
Sheep Feed, Medicated
Test Material Code # 201929

Analyte Summary Report

Labs Reporting: 196
Analytes Reported: 116
Issue Date : 10/31/2019

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)	Horwitz %RSD
000	Urea (%)	1	1	1.300							
001	Loss on Drying (%)	87	83	8.426	0.4282	8.453	0.3300	0.0453	3.90%	0.0823	2.90%
002	Protein, Crude (%)	191	190	14.21	8.865	13.46	0.3354	0.0304	2.49%	0.1863	2.70%
003	Fat, Crude (%)	150	146	1.752	0.5193	1.710	0.4533	0.0469	26.51%	0.1048	3.69%
004	Fiber, Crude (%)	119	115	14.98	1.549	14.95	1.222	0.1425	8.18%	0.3065	2.59%
005	Ash (%)	148	145	16.03	1.175	16.14	0.4949	0.0514	3.07%	0.1978	2.49%
006	Total Sugars (%)	6	6	3.912	0.5852	3.912	0.6636	0.3386	16.96%	0.2763	3.26%
008	Fiber, Acid Detergent (%)	66	64	19.24	1.306	19.33	1.236	0.1931	6.39%	0.3593	2.27%
009	Fiber, Neutral Detergent (%)	63	61	35.02	2.211	34.94	1.927	0.3084	5.52%	0.4616	1.69%
010	Moisture (%)	19	19	8.943	0.7319	8.918	0.6446	0.1848	7.23%	0.1054	2.88%
011	Loss on Drying (%)	72	71	9.260	0.4062	9.278	0.3853	0.0572	4.15%	0.1167	2.86%
012	Starch (%)	43	42	13.42	2.594	13.38	1.226	0.2365	9.16%	0.2893	2.71%
013	Fat, Acid Pretreat (%)	50	49	3.022	0.6272	3.057	0.6223	0.1111	20.35%	0.1190	3.38%
015	Aluminum (mg / kg (ppm))	17	17	259.6	32.18	258.7	28.98	8.786	11.20%	12.86	6.93%
017	Boron (mg / kg (ppm))	19	18	7.582	1.937	7.786	1.346	0.3966	17.29%	0.2817	11.75%
019	Calcium (%)	146	143	3.230	0.2473	3.224	0.1914	0.0200	5.94%	0.0766	3.35%
021	Cobalt (mg / kg (ppm))	21	21	3.300	0.6549	3.277	0.6864	0.1872	20.95%	0.1592	13.38%
022	Copper (mg / kg (ppm))	93	90	9.003	2.318	8.848	1.908	0.2514	21.57%	0.7588	11.52%
025	Iron (mg / kg (ppm))	81	78	624.3	151.0	650.5	85.64	12.12	13.17%	15.41	6.03%
027	Magnesium (%)	103	101	0.7070	0.0437	0.7079	0.0388	0.0048	5.48%	0.0166	4.21%
028	Manganese (mg / kg (ppm))	101	97	397.1	54.94	405.4	29.61	3.758	7.30%	9.751	6.48%
031	Phosphorus (%)	138	136	1.186	0.0737	1.190	0.0555	0.0059	4.66%	0.0272	3.90%
032	Potassium (%)	103	99	1.248	0.0803	1.249	0.0774	0.0097	6.20%	0.0313	3.87%
033	Salt as chloride (%)	69	67	3.133	0.2863	3.188	0.1290	0.0197	4.05%	0.0727	3.36%
034	Selenium (mg / kg (ppm))	21	21	1.962	0.5473	1.995	0.5111	0.1394	25.61%	0.1332	14.42%
035	Sodium (%)	98	96	0.8653	0.0807	0.8694	0.0647	0.0083	7.44%	0.0245	4.08%
036	Sulfur (%)	42	42	0.3739	0.0303	0.3750	0.0283	0.0055	7.55%	0.0115	4.64%
037	Zinc (mg / kg (ppm))	99	98	367.0	53.60	369.4	45.91	5.797	12.43%	16.70	6.57%
038	Molybdenum (mg / kg (ppm))	22	21	9.585	1.030	9.585	1.064	0.2901	11.10%	0.7424	11.38%
040	Barium (mg / kg (ppm))	2	2	16.75	0.2067						

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041	Vanadium (mg / kg (ppm))	1	1	3.285							
042	Chloride (%)	3	3	1.943	0.0076	1.943	0.0076	0.0044	0.39%	0.0200	3.62%
101	Choline Chloride (mg / kg (ppm))	1	1	1,310							
102	Niacin (mg / kg (ppm))	1	1	77.80							
103	Pantothenic Acid (mg / kg (ppm))	1	1	7.525							
104	Riboflavin (mg / kg (ppm))	3	3	2.807	2.106	2.807	2.106	1.216	75.02%	0.3400	13.70%
105	Thiamine (mg / kg (ppm))	2	2	3.045	1.237						
106	Vitamin A (KU / kg)	24	24	42.50	19.29	42.26	14.22	3.628	33.64%	5.596	
107	Vitamin B12 (µg / kg (ppb))	1	1	32.45							
108	Vitamin D3 (KU / kg)	6	5	2.345	1.413	2.345	1.413	0.7900	60.27%	0.3724	
109	Vitamin E (IU / kg)	18	18	209.2	67.01	218.2	40.59	11.96	18.60%	10.14	
112	Pyridoxine (µg / g)	1	1	3.405							
113	Folic Acid (mg / kg (ppm))	1	1	0.6045							
114	Biotin (mg / kg (ppm))	1	1	0.2255							
115	Non Protein N (NPN) (%)	1	1	1.175							
118	Peroxide value (meq/kg)	1	1	11.14							
120	Alanine (%)	29	28	0.5923	0.0520	0.5890	0.0289	0.0068	4.91%	0.0071	4.33%
121	Arginine (%)	28	27	0.7428	0.0523	0.7423	0.0470	0.0113	6.33%	0.0105	4.18%
122	Aspartic (%)	29	28	0.8900	0.0518	0.8941	0.0423	0.0100	4.73%	0.0173	4.07%
124	Cysteine/Cystine (%)	29	28	0.2327	0.0477	0.2344	0.0209	0.0049	8.90%	0.0058	4.98%
125	Glutamic (%)	29	28	2.087	0.1333	2.082	0.1149	0.0271	5.52%	0.0383	3.58%
126	Glycine (%)	29	28	0.6176	0.0373	0.6181	0.0260	0.0061	4.20%	0.0074	4.30%
127	Histidine (%)	29	28	0.3143	0.0291	0.3120	0.0196	0.0046	6.27%	0.0052	4.77%
128	Isoleucine (%)	29	29	0.3868	0.0450	0.3871	0.0404	0.0094	10.44%	0.0114	4.61%
129	Leucine (%)	29	29	0.7771	0.0530	0.7758	0.0398	0.0092	5.12%	0.0113	4.16%
130	L-Lysine (%)	30	30	0.4794	0.0379	0.4810	0.0298	0.0068	6.20%	0.0090	4.47%
131	Methionine (%)	29	29	0.1469	0.0177	0.1462	0.0147	0.0034	10.08%	0.0071	5.34%
132	Phenylalanine (%)	29	29	0.4756	0.0333	0.4773	0.0232	0.0054	4.86%	0.0081	4.47%
133	Proline (%)	28	28	0.7923	0.1049	0.7828	0.0876	0.0207	11.19%	0.0281	4.15%
134	Serine (%)	29	27	0.5290	0.0406	0.5268	0.0360	0.0087	6.84%	0.0101	4.40%
135	Threonine (%)	29	28	0.4102	0.0189	0.4112	0.0160	0.0038	3.90%	0.0078	4.57%
136	Tryptophan (%)	20	19	0.1493	0.0293	0.1535	0.0119	0.0034	7.72%	0.0033	5.30%
137	Tyrosine (%)	23	22	0.3344	0.0402	0.3369	0.0370	0.0099	10.99%	0.0120	4.71%
138	Valine (%)	29	29	0.5387	0.0584	0.5429	0.0384	0.0089	7.07%	0.0121	4.38%
139	Taurine (%)	4	3	0.0477	0.0522	0.0477	0.0522	0.0301	109.44%	0.0033	6.32%
160	Fructose (%)	3	2	0.1725	0.0502	0.1725	0.0502	0.0355	29.10%	0.0130	5.21%
161	Galactose (%)	1		0.0000							
162	Glucose (%)	3	2	0.1285	0.0622	0.1285	0.0622	0.0440	48.43%	0.0100	5.45%
163	Lactose (%)	3	1								
164	Maltose (%)	2	2	0.2763	0.1220						

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165	Sucrose (%)	3	3	1.138	0.0453	1.138	0.0453	0.0262	3.98%	0.0303	3.92%
166	Raffinose (%)	3	3	0.5295	0.0318	0.5295	0.0318	0.0184	6.01%	0.0150	4.40%
167	Stachyose (%)	3	3	0.1917	0.1319	0.1917	0.1319	0.0761	68.81%	0.0120	5.13%
351	Chlortetracycline (mg/kg (ppm))	20	19	64.75	13.61	62.41	9.300	2.667	14.90%	4.135	8.59%
365	Monensin (mg/kg (ppm))	1	1	3.390							
373	Oxytetracycline (mg/kg (ppm))	5	4	0.7277	0.4808	0.7277	0.4808	0.2404	66.07%	0.0664	16.78%
381	Sulfadimethoxine (mg/kg (ppm))	1	1	56.17							
382	Sulfamethazine (mg/kg (ppm))	10	10	76.68	17.82	76.14	19.00	7.509	24.95%	3.541	8.33%
400	Water Activity (Units)	11	11	0.5299	0.0292	0.5301	0.0073	0.0028	1.38%	0.0024	
412	Starch, Dietary (%)	1	1	12.46							
516	Arsenic, Total (mg / kg (ppm))	9	8	0.5209	0.0693	0.5096	0.0490	0.0216	9.61%	0.0447	17.71%
518	Cadmium (mg / kg (ppm))	12	10	0.2154	0.0234	0.2154	0.0266	0.0105	12.34%	0.0206	20.15%
520	Chromium (mg / kg (ppm))	11	11	10.98	3.925	10.98	4.451	1.677	40.54%	0.7833	11.15%
526	Lead (mg / kg (ppm))	11	10	0.2967	0.0987	0.2776	0.0469	0.0185	16.88%	0.0327	19.40%
529	Mercury (µg / kg (ppb))	1	1	3.641							
539	Nickel (mg / kg (ppm))	7	6	5.656	1.575	5.656	1.786	0.9114	31.58%	0.2756	12.32%
702	Butyric Acid (4:0) (%)	1		0.0000							
704	Caproic Acid (6:0) (%)	1	1	0.0135							
706	Caprylic acid (8:0) (%) (w/w)	1	1	0.0020							
708	Capric acid (10:0) (%) (w/w)	1		0.0000							
710	Lauric Acid (12:0) (%) (w/w)	4									
714	Myristic Acid (14:0) (%) (w/w)	3	2	0.0138	0.0088	0.0138	0.0088	0.0063	64.29%	0.0005	
716	Palmitic Acid (16:0) (%) (w/w)	3	3	0.5405	0.0645	0.5405	0.0645	0.0373	11.94%	0.0477	
718	Palmitoleic Acid (9c-16:1) (%) (w/w)	4	3	0.0242	0.0160	0.0242	0.0160	0.0092	66.16%	0.0010	
722	Stearic Acid (18:0) (%) (w/w)	3	3	0.0625	0.0170	0.0625	0.0170	0.0098	27.23%	0.0070	
724	Oleic Acid (9c-18:1) (%) (w/w)	3	3	0.4380	0.0844	0.4380	0.0844	0.0487	19.26%	0.0320	
726	Linoleic Acid (9c,12c-18:2) (%) (w/w)	5	5	0.7579	0.1126	0.7579	0.1126	0.0503	14.85%	0.0318	
728	alpha-Linolenic Acid (9c,12c,15c-18:3) (%) (w/w)	4	4	0.0485	0.0093	0.0485	0.0093	0.0047	19.18%	0.0005	
730	Arachidic Acid (20:0) (%) (w/w)	3	2	0.0148	0.0088	0.0148	0.0088	0.0063	59.93%	0.0005	
732	Gondoic Acid (11c-20:1) (%) (w/w)	3	2	0.0185	0.0057	0.0185	0.0057	0.0040	30.59%	0.0010	
736	Arachidonic Acid (5c,8c,11c,14c-20:4) (%) (w/w)	2		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)	3									
742	Behenic Acid (22:0) (%) (w/w)	2	1	0.0095							
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)	3									
748	Lignoceric Acid (24:0) (%) (w/w)	1	1	0.0110							
750	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6) (%) (w/w)	3									
752	Nervonic Acid (24:1) isomers (%) (w/w)	2		0.0000							
754	Total n-3 Polyunsaturated (Omega-3) Fatty Acids (%) (w/w)	3	3	0.0585	0.0102	0.0585	0.0102	0.0059	17.45%	0.0117	

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756	Total n-6 Polyunsaturated (Omega-6) Fatty Acids (% (w/w))	3	3	0.7518	0.1509	0.7518	0.1509	0.0871	20.07%	0.0397	
758	Total Saturated Fatty Acids (% (w/w))	1	1	0.9100							
762	Total Monounsaturated Fatty Acids (% (w/w))	1	1	0.5450							
766	Total Polyunsaturated Fatty Acids (% (w/w))	1	1	0.9450							
770	Total Fat (equivalent to NLEA) (% (w/w))	1	1	2.410							
772	Total Fatty Acids (% (w/w))	2	2	2.065	0.3401						

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.