



**AAFCO**  
Proficiency Testing Program



**Animal Feed Scheme**  
**Goat Feed, Medicated**  
**Test Material Code # 201924**

**Analyte Summary Report**

**# Labs Reporting: 200**  
**# Analytes Reported: 109**  
**Issue Date : 05/31/2019**

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 (%)	2	1	1.000							
001	Loss on Drying (%)	88	87	8.212	0.4139	8.243	0.2828	0.0379	3.43%	0.1024	2.91%
002	Protein, Crude (%)	195	190	16.79	0.4898	16.75	0.3238	0.0294	1.93%	0.1552	2.44%
003	Fat, Crude (%)	150	145	3.373	0.4036	3.360	0.3098	0.0322	9.22%	0.0880	3.33%
004	Fiber, Crude (%)	116	114	13.53	1.322	13.41	0.8105	0.0949	6.05%	0.2308	2.71%
005	Ash (%)	143	141	10.34	0.7166	10.44	0.3783	0.0398	3.62%	0.1009	2.81%
006	Total Sugars (%)	5	5	3.571	1.193	3.571	1.193	0.5336	33.42%	0.5271	3.30%
008	Fiber, Acid Detergent (%)	63	61	17.95	1.228	18.00	1.252	0.2003	6.95%	0.3163	2.36%
009	Fiber, Neutral Detergent (%)	62	61	35.39	2.075	35.32	1.749	0.2800	4.95%	0.4536	1.68%
010	Moisture (%)	19	18	8.625	0.8818	8.495	0.6423	0.1892	7.56%	0.0665	2.90%
011	Loss on Drying (%)	69	68	8.984	0.6613	9.058	0.4394	0.0666	4.85%	0.1003	2.87%
012	Starch (%)	39	38	17.21	3.821	16.26	1.254	0.2542	7.71%	0.2457	2.48%
013	Fat, Acid Pretreat (%)	51	51	4.541	0.8568	4.463	0.6717	0.1176	15.05%	0.1530	3.19%
015	Aluminum (mg / kg (ppm))	14	14	114.2	25.67	116.9	18.51	6.184	15.83%	4.741	7.81%
017	Boron (mg / kg (ppm))	17	15	6.509	1.142	6.370	0.8903	0.2874	13.98%	0.4589	12.11%
019	Calcium (%)	139	135	2.060	0.1263	2.068	0.0929	0.0100	4.49%	0.0444	3.59%
021	Cobalt (mg / kg (ppm))	21	21	2.679	0.5687	2.728	0.5167	0.1409	18.94%	0.1641	13.75%
022	Copper (mg / kg (ppm))	89	86	63.03	12.55	63.56	11.03	1.487	17.35%	2.338	8.56%
025	Iron (mg / kg (ppm))	72	71	394.7	83.13	408.8	39.70	5.889	9.71%	12.48	6.47%
027	Magnesium (%)	79	75	0.3799	0.0219	0.3802	0.0199	0.0029	5.23%	0.0084	4.63%
028	Manganese (mg / kg (ppm))	88	85	239.0	38.12	244.9	15.99	2.168	6.53%	6.487	6.99%
031	Phosphorus (%)	131	130	0.9102	0.0462	0.9083	0.0356	0.0039	3.92%	0.0204	4.06%
032	Potassium (%)	83	82	1.002	0.0736	1.004	0.0630	0.0087	6.28%	0.0273	4.00%
033	Salt as chloride (%)	73	72	1.452	0.1701	1.489	0.0872	0.0128	5.86%	0.0291	3.77%
034	Selenium (mg / kg (ppm))	22	22	2.586	0.5055	2.560	0.4424	0.1179	17.28%	0.1484	13.89%
035	Sodium (%)	87	85	0.3702	0.0290	0.3698	0.0259	0.0035	7.00%	0.0090	4.65%
036	Sulfur (%)	43	42	0.3332	0.0244	0.3339	0.0198	0.0038	5.92%	0.0100	4.72%
037	Zinc (mg / kg (ppm))	89	87	282.6	43.36	285.9	29.86	4.002	10.44%	11.15	6.83%
038	Molybdenum (mg / kg (ppm))	19	18	1.597	0.8060	1.462	0.4227	0.1245	28.91%	0.1394	15.11%
040	Barium (mg / kg (ppm))	2	2	18.72	1.607						

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042	Chloride (%)	4	3	1.483	0.4737	1.483	0.4737	0.2735	31.94%	0.0067	3.77%
102	Niacin (mg / kg (ppm))	1	1	103.0							
103	Pantothenic Acid (mg / kg (ppm))	1	1	10.21							
104	Riboflavin (mg / kg (ppm))	2	2	1.873	1.637						
105	Thiamine (mg / kg (ppm))	2	2	5.745	1.315						
106	Vitamin A (KU / kg)	19	18	33.48	13.51	31.32	5.794	1.707	18.50%	1.905	
107	Vitamin B12 (µg / kg (ppb))	1		4.400							
108	Vitamin D3 (KU / kg)	4	3	4.070	1.836	4.070	1.836	1.060	45.10%	0.8800	
109	Vitamin E (IU / kg)	11	10	74.95	32.07	67.00	8.289	3.276	12.37%	2.659	
112	Pyridoxine (µg / g)	1	1	4.485							
113	Folic Acid (mg / kg (ppm))	1	1	0.8235							
114	Biotin (mg / kg (ppm))	1	1	0.2710							
115	Non Protein N (NPN) (%)	1	1	1.305							
118	Peroxide value (meq/kg)	1	1	9.170							
120	Alanine (%)	35	34	0.7647	0.1300	0.7469	0.0346	0.0074	4.63%	0.0152	4.18%
121	Arginine (%)	33	33	1.065	0.0728	1.069	0.0619	0.0135	5.79%	0.0231	3.96%
122	Aspartic (%)	35	35	1.154	0.0887	1.155	0.0605	0.0128	5.24%	0.0261	3.91%
124	Cysteine/Cystine (%)	33	33	0.2929	0.0538	0.2995	0.0276	0.0060	9.22%	0.0093	4.80%
125	Glutamic (%)	35	34	2.926	0.2094	2.905	0.1420	0.0304	4.89%	0.0571	3.41%
126	Glycine (%)	35	35	0.7624	0.0450	0.7613	0.0383	0.0081	5.04%	0.0192	4.17%
127	Histidine (%)	35	34	0.4096	0.0291	0.4071	0.0207	0.0044	5.09%	0.0112	4.58%
128	Isoleucine (%)	35	35	0.4960	0.0477	0.5008	0.0402	0.0085	8.03%	0.0172	4.44%
129	Leucine (%)	35	35	1.066	0.0483	1.069	0.0417	0.0088	3.90%	0.0215	3.96%
130	L-Lysine (%)	37	37	0.6384	0.0540	0.6376	0.0391	0.0080	6.13%	0.0140	4.28%
131	Methionine (%)	36	35	0.2304	0.0218	0.2312	0.0206	0.0044	8.91%	0.0085	4.99%
132	Phenylalanine (%)	35	35	0.6699	0.0452	0.6719	0.0465	0.0098	6.93%	0.0170	4.25%
133	Proline (%)	33	32	0.9744	0.1196	0.9593	0.0519	0.0115	5.41%	0.0220	4.02%
134	Serine (%)	35	35	0.6955	0.0584	0.6898	0.0388	0.0082	5.62%	0.0161	4.23%
135	Threonine (%)	35	35	0.5156	0.0425	0.5136	0.0225	0.0048	4.38%	0.0136	4.42%
136	Tryptophan (%)	24	23	0.1979	0.0366	0.2037	0.0258	0.0067	12.67%	0.0046	5.08%
137	Tyrosine (%)	29	28	0.4423	0.0628	0.4417	0.0652	0.0154	14.77%	0.0155	4.52%
138	Valine (%)	34	34	0.6933	0.0624	0.6987	0.0499	0.0107	7.14%	0.0166	4.22%
139	Taurine (%)	5	3	0.0632	0.0553	0.0632	0.0553	0.0319	87.57%	0.0003	6.06%
160	Fructose (%)	3	2	0.1417	0.0244	0.1417	0.0244	0.0172	17.19%	0.0090	5.37%
161	Galactose (%)	1		0.0000							
162	Glucose (%)	3	2	0.1730	0.1230	0.1730	0.1230	0.0870	71.12%	0.0210	5.21%
163	Lactose (%)	3									
164	Maltose (%)	3	3	0.3703	0.0998	0.3703	0.0998	0.0576	26.95%	0.0354	4.64%
165	Sucrose (%)	3	3	1.400	0.2974	1.400	0.2974	0.1717	21.24%	0.1016	3.80%
166	Raffinose (%)	2	2	0.4768	0.2733						

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167	Stachyose (%)	2	2	0.2650	0.2185						
348	Bacitracin (mg/kg (ppm))	1	1	0.0414							
351	Chlortetracycline (mg/kg (ppm))	5	4	2.540	0.8929	2.540	0.8929	0.4465	35.16%	0.2281	13.90%
354	Decoquinatate (mg/kg (ppm))	14	13	39.68	11.68	42.21	4.487	1.556	10.63%	0.9027	9.11%
365	Monensin (mg/kg (ppm))	26	25	22.72	3.610	23.02	2.987	0.7467	12.98%	0.9337	9.98%
382	Sulfamethazine (mg/kg (ppm))	3	3	2.566	0.3457	2.566	0.3457	0.1996	13.47%	0.1250	13.88%
388	Tylosin (mg/kg (ppm))	4	3	0.9508	1.188	0.9508	1.188	0.6859	124.95%	0.0337	16.12%
389	Virginiamycin (mg/kg (ppm))	1	1	40.23							
400	Water Activity (Units)	7	7	0.4624	0.0362	0.4543	0.0195	0.0092	4.30%	0.0072	
412	Starch, Dietary (%)	1	1	15.45							
516	Arsenic, Total (mg / kg (ppm))	8	8	0.3667	0.4917	0.2095	0.0737	0.0326	35.20%	0.0254	20.24%
518	Cadmium (mg / kg (ppm))	12	11	0.1254	0.0309	0.1266	0.0324	0.0122	25.56%	0.0084	21.83%
520	Chromium (mg / kg (ppm))	10	10	6.596	3.387	6.596	3.840	1.518	58.22%	0.4424	12.04%
526	Lead (mg / kg (ppm))	10	9	0.1781	0.1558	0.1425	0.0449	0.0187	31.50%	0.0299	21.45%
539	Nickel (mg / kg (ppm))	4	4	3.234	1.349	3.234	1.349	0.6745	41.72%	0.1696	13.41%
710	Lauric Acid (12:0) (% (w/w))	2	1	0.0013							
714	Myristic Acid (14:0) (% (w/w))	2	1	0.0063							
716	Palmitic Acid (16:0) (% (w/w))	2	2	0.6392	0.0366						
718	Palmitoleic Acid (9c-16:1) (% (w/w))	2	1	0.0075							
722	Stearic Acid (18:0) (% (w/w))	2	2	0.0792	0.0083						
724	Oleic Acid (9c-18:1) (% (w/w))	2	2	0.7367	0.0542						
726	Linoleic Acid (9c,12c-18:2) (% (w/w))	2	2	1.930	0.0488						
728	alpha-Linolenic Acid (9c,12c,15c-18:3) (% (w/w))	2	2	0.1328	0.0031						
730	Arachidic Acid (20:0) (% (w/w))	2	1	0.0111							
732	Gondoic Acid (11c-20:1) (% (w/w))	2	2	0.0190	0.0014						
740	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5) (% (w/w))	1		0.0050							
742	Behenic Acid (22:0) (% (w/w))	2	1	0.0089							
744	Erucic Acid (13c-22:1) (% (w/w))	1	1	0.0019							
746	Docosapentaenoic Acid n-3 DPA (7c,10c,13c,16c,19c-22:5) (% (w/w))	1		0.0050							
748	Lignoceric Acid (24:0) (% (w/w))	1	1	0.0125							
750	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6) (% (w/w))	1		0.0050							
752	Nervonic Acid (24:1) isomers (% (w/w))	1		0.0050							
754	Total n-3 Polyunsaturated (Omega-3) Fatty Acids (% (w/w))	1	1	0.1400							
756	Total n-6 Polyunsaturated (Omega-6) Fatty Acids (% (w/w))	1	1	1.885							
758	Total Saturated Fatty Acids (% (w/w))	1	1	0.8250							
762	Total Monounsaturated Fatty Acids (% (w/w))	1	1	0.8050							
766	Total Polyunsaturated Fatty Acids (% (w/w))	1	1	2.040							
770	Total Fat (equivalent to NLEA) (% (w/w))	1	1	3.860							
772	Total Fatty Acids (% (w/w))	2	2	3.621	0.1050						

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.

**Test Material Code # 201924**

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