



AAFCO
Proficiency Testing Program



Animal Feed Scheme
Sheep Feed, Medicated
Test Material Code # 202128

Analyte Summary Report

Labs Reporting: 172
Analytes Reported: 105
Issue Date : 09/30/2021

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 (R-bar)	Thompson Horwitz %RSD
000	Urea (%)	1	1	3.250							
001	Loss on Drying (%)	79	77	8.174	0.3887	8.199	0.2532	0.0361	3.09%	0.1003	2.91%
002	Protein, Crude (%)	172	169	34.70	1.106	34.59	0.4611	0.0443	1.33%	0.2409	1.70%
003	Fat, Crude (%)	136	132	3.918	0.4057	3.887	0.3310	0.0360	8.51%	0.0945	3.26%
004	Fiber, Crude (%)	111	108	8.450	1.390	8.397	1.452	0.1746	17.29%	0.3022	2.90%
005	Ash (%)	130	128	21.47	1.301	21.62	0.8434	0.0932	3.90%	0.2564	2.15%
006	Total Sugars (%)	5	4	4.676	0.3097	4.676	0.3097	0.1549	6.62%	0.1175	3.17%
008	Fiber, Acid Detergent (%)	62	61	10.67	2.074	10.28	0.7871	0.1260	7.66%	0.2892	2.82%
009	Fiber, Neutral Detergent (%)	61	60	19.49	3.145	18.87	1.641	0.2649	8.70%	0.5493	2.30%
010	Moisture (%)	22	21	7.997	0.9997	8.138	0.6060	0.1653	7.45%	0.1404	2.92%
011	Loss on Drying, HT (%)	72	71	9.317	0.3705	9.308	0.3602	0.0534	3.87%	0.1233	2.86%
012	Starch (%)	29	28	3.545	0.8929	3.446	0.7404	0.1749	21.49%	0.1806	3.32%
013	Fat, Acid Pretreat (%)	46	45	4.912	0.6644	4.913	0.7100	0.1323	14.45%	0.1679	3.15%
015	Aluminum (ppm)	18	18	280.0	50.55	284.4	46.35	13.66	16.30%	13.13	6.83%
017	Boron (ppm)	20	20	13.07	3.590	13.53	2.982	0.8335	22.05%	0.5125	10.81%
019	Calcium (%)	126	124	5.155	0.3196	5.160	0.2685	0.0301	5.20%	0.1214	3.12%
021	Cobalt (ppm)	30	29	4.978	1.169	4.942	1.001	0.2324	20.26%	0.2791	12.58%
022	Copper (ppm)	81	80	12.25	3.279	12.02	1.986	0.2775	16.52%	0.7465	11.00%
024	Iodine (ppm)	2	2	13.45	4.840						
025	Iron (ppm)	72	71	493.5	78.78	502.6	51.13	7.585	10.17%	17.34	6.27%
027	Magnesium (%)	96	94	0.7961	0.0776	0.8011	0.0552	0.0071	6.90%	0.0225	4.14%
028	Manganese (ppm)	93	92	466.8	41.01	469.9	36.20	4.718	7.70%	16.26	6.34%
031	Phosphorus (%)	119	117	1.597	0.1704	1.619	0.1081	0.0125	6.68%	0.0436	3.72%
032	Potassium (%)	79	78	1.330	0.1243	1.338	0.0845	0.0120	6.31%	0.0385	3.83%
033	Salt as chloride (%)	70	69	4.565	0.4546	4.673	0.1837	0.0276	3.93%	0.0652	3.17%
034	Selenium, Total (Se) (ppm)	35	33	6.376	1.074	6.381	1.007	0.2192	15.79%	0.3006	12.10%
035	Sodium (%)	89	87	1.546	0.3474	1.522	0.1221	0.0164	8.02%	0.0441	3.75%
036	Sulfur (%)	41	40	0.4674	0.0458	0.4679	0.0400	0.0079	8.55%	0.0141	4.48%
037	Zinc (ppm)	96	93	1,109	109.1	1,108	102.6	13.30	9.26%	37.94	5.57%

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038	Molybdenum (ppm)	20	19	11.43	2.539	11.62	2.430	0.6969	20.92%	0.8139	11.06%
040	Barium (ppm)	2	2	8.858	1.546						
041	Vanadium (ppm)	2	2	4.534	0.4296						
042	Chloride (%)	5	5	2.850	0.1401	2.850	0.1401	0.0627	4.92%	0.0360	3.42%
101	Choline Chloride (ppm)	1	1	2,005							
102	Niacin (ppm)	2	2	43.54	0.3677						
103	Pantothenic Acid (ppm)	1	1	7.910							
104	Riboflavin (ppm)	1	1	3.485							
105	Thiamine (ppm)	1	1	4.640							
106	Vitamin A (KU / kg)	17	16	50.18	8.456	50.18	9.589	2.996	19.11%	4.643	
107	Vitamin B12 (ppb)	1	1	11.75							
108	Vitamin D3 (KU / kg)	5	5	6.497	1.123	6.497	1.123	0.5020	17.28%	1.114	
109	Vitamin E (IU / kg)	20	19	227.4	33.98	226.6	34.39	9.861	15.17%	8.440	
111	Vitamin C, Phosphorylated (ppm)	1		4.400							
112	Pyridoxine (µg / g)	1	1	2.805							
113	Folic Acid (ppm)	1	1	1.625							
114	Biotin (ppm)	1	1	0.3765							
115	Non Protein N (NPN) (%)	1	1	5.280							
118	Peroxide value (meq/kg)	1	1	28.00							
120	Alanine (%)	25	24	1.317	0.0910	1.302	0.0548	0.0140	4.21%	0.0163	3.84%
121	Arginine (%)	25	24	2.833	0.2266	2.811	0.1212	0.0309	4.31%	0.0347	3.42%
122	Aspartic (%)	24	23	2.751	0.2768	2.699	0.1275	0.0332	4.72%	0.0370	3.44%
124	Cysteine/Cystine (%)	23	23	0.4373	0.0515	0.4425	0.0447	0.0116	10.09%	0.0106	4.52%
125	Glutamic (%)	25	24	5.515	0.3321	5.454	0.1661	0.0424	3.05%	0.0741	3.10%
126	Glycine (%)	25	25	1.468	0.2105	1.484	0.0557	0.0139	3.76%	0.0235	3.77%
127	Histidine (%)	25	24	0.7795	0.0632	0.7841	0.0419	0.0107	5.34%	0.0141	4.15%
128	Isoleucine (%)	25	25	1.000	0.1007	0.9996	0.0818	0.0205	8.19%	0.0197	4.00%
129	Leucine (%)	25	24	1.833	0.1555	1.835	0.0628	0.0160	3.42%	0.0182	3.65%
130	L-Lysine (%)	25	25	1.405	0.0940	1.395	0.0823	0.0206	5.90%	0.0320	3.80%
131	Methionine (%)	24	23	0.3942	0.0378	0.3908	0.0319	0.0083	8.17%	0.0086	4.61%
132	Phenylalanine (%)	25	25	1.475	0.0877	1.470	0.0582	0.0146	3.96%	0.0270	3.77%
133	Proline (%)	24	23	1.390	0.1145	1.373	0.0873	0.0228	6.36%	0.0284	3.81%
134	Serine (%)	25	25	1.322	0.1349	1.321	0.1190	0.0298	9.01%	0.0262	3.84%
135	Threonine (%)	25	24	1.010	0.0900	1.004	0.0486	0.0124	4.84%	0.0173	4.00%
136	Tryptophan (%)	15	15	0.3884	0.1292	0.3856	0.0807	0.0260	20.93%	0.0097	4.62%
137	Tyrosine (%)	23	23	0.8358	0.1164	0.8372	0.0971	0.0253	11.60%	0.0129	4.11%
138	Valine (%)	25	25	1.307	0.1190	1.303	0.0854	0.0214	6.55%	0.0282	3.84%
139	Taurine (%)	5	3	0.0988	0.0102	0.0988	0.0102	0.0059	10.32%	0.0010	5.67%
160	Fructose (%)	4	1								
161	Galactose (%)	1		0.0000							

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162	Glucose (%)	4									
163	Lactose (%)	3									
164	Maltose (%)	3	1								
165	Sucrose (%)	4	3	1.720	0.1521	1.720	0.1521	0.0878	8.84%	0.0493	3.69%
166	Raffinose (%)	2	2	2.215	0.2185						
167	Stachyose (%)	2	2	1.037	0.0545						
357	Ethoxyquin (ppm)	1		0.0000							
361	Lasalocid Sodium (ppm)	19	18	111.2	10.90	110.8	9.628	2.837	8.69%	3.036	7.88%
400	Water Activity (Units)	14	14	0.5425	0.0306	0.5488	0.0126	0.0042	2.30%	0.0031	
516	Arsenic, Total (As) (ppm)	10	8	0.1449	0.0334	0.1449	0.0379	0.0167	26.13%	0.0128	21.39%
518	Cadmium (ppm)	12	11	0.1685	0.0427	0.1637	0.0360	0.0136	21.97%	0.0051	21.00%
520	Chromium, Total (Cr) (ppm)	15	15	5.505	1.547	5.491	1.470	0.4746	26.78%	0.3589	12.38%
526	Lead (ppm)	12	12	0.6078	0.7855	0.4145	0.1391	0.0502	33.55%	0.0471	18.26%
529	Mercury (ppb)	5	2	2.557	0.6478	2.557	0.6478	0.4580	25.33%	0.2403	22.00%
539	Nickel (ppm)	8	8	6.589	1.710	6.589	1.939	0.8569	29.43%	0.6123	12.04%
710	Lauric Acid (12:0) (% (w/w))	2		0.0050							
714	Myristic Acid (14:0) (% (w/w))	1	1	0.0328							
716	Palmitic Acid (16:0) (% (w/w))	1	1	0.9670							
718	Palmitoleic Acid (9c-16:1) (% (w/w))	2	2	0.0352	0.0004						
722	Stearic Acid (18:0) (% (w/w))	1	1	0.3430							
724	Oleic Acid (9c-18:1) (% (w/w))	1	1	0.9464							
726	Linoleic Acid (9c,12c-18:2) (% (w/w))	2	2	1.302	0.0704						
728	alpha-Linolenic Acid (9c,12c,15c-18:3) (% (w/w))	2	2	0.0526	0.0023						
730	Arachidic Acid (20:0) (% (w/w))	1	1	0.0133							
732	Gondoic Acid (11c-20:1) (% (w/w))	1	1	0.0195							
736	Arachidonic Acid (5c,8c,11c,14c-20:4) (% (w/w))	1	1	0.0050							
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	0.0093							
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	0.0076							
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))	1	1	0.0500							
756	Total n-6 Polyunsaturated (Omega-6) Fatty Acids (% (w/w))	1	1	1.270							
772	Total Fatty Acids (% (w/w))	1	1	3.780							

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.

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