



AAFCO
Association of American Feed Control Officials



Animal Feed Scheme
Lamb Feed
Test Material Code # 202330

Analyte Summary Report

Labs Reporting: 163
Analytes Reported: 120
Issue Date : 11/30/2023

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 (Rob R-bar)	Thompson Horwitz %RSD
000	Urea (%)	2	2	1.088	0.4066						
001	Loss on Drying (%)	70	70	10.96	0.4813	11.00	0.3635	0.0543	3.30%	0.1357	2.79%
002	Protein, Crude (%)	157	156	15.25	0.3602	15.26	0.2868	0.0287	1.88%	0.1718	2.56%
003	Fat, Crude (%)	139	137	2.855	0.3681	2.827	0.3125	0.0334	11.05%	0.1017	3.42%
004	Fiber, Crude (%)	110	109	5.058	0.5724	4.984	0.4158	0.0498	8.34%	0.1645	3.14%
005	Ash (%)	132	130	9.062	0.3910	9.092	0.3345	0.0367	3.68%	0.1240	2.87%
006	Total Sugars (%)	8	8	4.654	0.6319	4.654	0.7166	0.3167	15.40%	0.2363	3.17%
008	Fiber, Acid Detergent (%)	58	57	6.596	0.4574	6.549	0.3901	0.0646	5.96%	0.1965	3.01%
009	Fiber, Neutral Detergent (%)	55	53	15.77	1.169	15.65	0.9547	0.1639	6.10%	0.2457	2.53%
010	Moisture (%)	20	20	10.95	0.6440	11.00	0.5920	0.1655	5.38%	0.0844	2.79%
011	Loss on Drying, HT (%)	73	72	11.90	0.7150	11.94	0.4247	0.0626	3.56%	0.1109	2.75%
012	Starch (%)	44	43	32.80	7.404	34.42	1.871	0.3566	5.43%	0.5003	1.70%
013	Fat, Pretreat (%)	45	44	3.930	0.5950	3.953	0.5834	0.1099	14.76%	0.1231	3.25%
015	Aluminum (ppm)	20	20	122.8	31.55	122.6	33.05	9.238	26.96%	4.626	7.76%
017	Boron (ppm)	20	18	8.454	1.051	8.553	0.8867	0.2612	10.37%	0.3822	11.58%
019	Calcium (%)	123	122	1.936	0.1682	1.943	0.1060	0.0120	5.46%	0.0494	3.62%
021	Cobalt (ppm)	30	28	2.717	0.3250	2.722	0.3582	0.0846	13.16%	0.1379	13.76%
022	Copper (ppm)	78	75	11.99	1.384	11.98	1.186	0.1713	9.90%	0.6132	11.01%
024	Iodine (ppm)	3	3	3.488	1.214	3.488	1.214	0.7011	34.82%	1.485	13.26%
025	Iron (ppm)	81	79	306.5	40.72	305.9	24.30	3.417	7.94%	9.714	6.76%
027	Magnesium (%)	90	90	0.3803	0.0241	0.3801	0.0210	0.0028	5.51%	0.0195	4.63%
028	Manganese (ppm)	87	86	232.7	27.14	230.7	18.91	2.548	8.20%	14.86	7.05%
030	Nitrate (%)	1	1	0.0050							
031	Phosphorus (%)	122	120	0.8025	0.0556	0.8006	0.0358	0.0041	4.48%	0.0201	4.14%
032	Potassium (%)	90	89	0.9653	0.0632	0.9608	0.0517	0.0068	5.38%	0.0279	4.02%
033	Salt as chloride (%)	56	56	1.625	0.1994	1.677	0.0881	0.0147	5.25%	0.0339	3.70%
034	Selenium, Total (Se) (ppm)	25	22	2.582	0.4217	2.580	0.4178	0.1114	16.19%	0.1964	13.87%
035	Sodium (%)	76	74	0.4249	0.0503	0.4253	0.0211	0.0031	4.97%	0.0141	4.55%
036	Sulfur (%)	46	45	0.3014	0.0247	0.3011	0.0213	0.0040	7.07%	0.0125	4.79%

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037	Zinc (ppm)	90	86	497.0	48.90	492.6	35.67	4.808	7.24%	18.18	6.29%
038	Molybdenum (ppm)	26	26	6.219	1.068	6.218	0.6960	0.1706	11.19%	0.5632	12.15%
040	Barium (ppm)	3	3	8.924	0.0566	8.924	0.0566	0.0327	0.63%	0.9292	11.51%
041	Vanadium (ppm)	3	3	0.9291	0.0706	0.9291	0.0706	0.0408	7.60%	0.0401	16.17%
042	Chloride (%)	8	8	1.160	0.2137	1.121	0.1398	0.0618	12.47%	0.0412	3.93%
101	Choline Chloride (ppm)	1	1	1,330							
102	Niacin (ppm)	1	1	65.15							
103	Pantothenic Acid (ppm)	1	1	13.70							
104	Riboflavin (ppm)	2	2	3.933	0.8804						
105	Thiamine (ppm)	2	2	5.243	0.9157						
106	Vitamin A (KU / kg)	10	10	21.05	3.952	20.99	4.354	1.721	20.74%	4.325	
107	Vitamin B12 (ppb)	1		4.400							
108	Vitamin D3 (KU / kg)	5	5	2.299	0.4014	2.299	0.4014	0.1795	17.46%	1.022	
109	Vitamin E (IU / kg)	11	10	106.5	21.85	102.6	13.63	5.387	13.29%	4.683	
111	Vitamin C, Phosphorylated (ppm)	2		1.000							
112	Pyridoxine (µg / g)	1	1	3.705							
115	Non Protein N (NPN) (%)	3	3	0.4036	0.2467	0.4036	0.2467	0.1424	61.13%	0.0438	4.59%
120	Alanine (%)	29	29	0.7223	0.0457	0.7256	0.0289	0.0067	3.98%	0.0157	4.20%
121	Arginine (%)	29	28	0.9134	0.0492	0.9117	0.0455	0.0107	4.99%	0.0177	4.06%
122	Aspartic (%)	29	28	1.263	0.0888	1.271	0.0553	0.0131	4.35%	0.0325	3.86%
124	Cysteine/Cystine (%)	30	29	0.2608	0.0350	0.2551	0.0188	0.0044	7.38%	0.0087	4.91%
125	Glutamic (%)	29	28	2.558	0.1346	2.552	0.1072	0.0253	4.20%	0.0340	3.47%
126	Glycine (%)	29	29	0.6475	0.0945	0.6396	0.0291	0.0068	4.55%	0.0084	4.28%
127	Histidine (%)	29	28	0.3627	0.0275	0.3617	0.0253	0.0060	6.98%	0.0094	4.66%
128	Isoleucine (%)	29	29	0.5232	0.0522	0.5271	0.0378	0.0088	7.16%	0.0108	4.40%
129	Leucine (%)	29	29	1.110	0.1112	1.122	0.0609	0.0141	5.43%	0.0182	3.93%
130	L-Lysine (%)	30	30	0.6490	0.0710	0.6412	0.0485	0.0111	7.56%	0.0267	4.28%
131	Methionine (%)	30	30	0.2329	0.0691	0.2154	0.0179	0.0041	8.30%	0.0111	5.04%
132	Phenylalanine (%)	29	28	0.6653	0.0408	0.6637	0.0311	0.0073	4.68%	0.0118	4.25%
133	Proline (%)	28	28	0.8662	0.0492	0.8647	0.0519	0.0123	6.00%	0.0136	4.09%
134	Serine (%)	29	29	0.6786	0.0621	0.6728	0.0315	0.0073	4.68%	0.0146	4.25%
135	Threonine (%)	30	30	0.5088	0.0369	0.5040	0.0253	0.0058	5.02%	0.0126	4.43%
136	Tryptophan (%)	23	22	0.1738	0.0156	0.1729	0.0154	0.0041	8.91%	0.0068	5.21%
137	Tyrosine (%)	24	23	0.4294	0.0573	0.4348	0.0481	0.0125	11.06%	0.0071	4.53%
138	Valine (%)	29	28	0.6595	0.0716	0.6622	0.0357	0.0084	5.39%	0.0117	4.26%
139	Taurine (%)	7	3	0.0548	0.0475	0.0548	0.0475	0.0343	86.56%		6.19%
160	Fructose (%)	2	2	0.6750	0.0283						
161	Galactose (%)	1		0.0000							
162	Glucose (%)	4	3	0.5233	0.0369	0.5233	0.0369	0.0213	7.04%	0.0230	4.41%
163	Lactose (%)	3									

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164	Maltose (%)	3	2	0.1632	0.0944	0.1632	0.0944	0.0668	57.85%		5.25%
165	Sucrose (%)	3	3	2.405	0.2115	2.405	0.2115	0.1221	8.79%	0.0567	3.50%
166	Raffinose (%)	2	2	0.3975	0.0955						
167	Stachyose (%)	2	2	0.6225	0.1450						
311	Tylvalosin Tartarate (ppm)	1	1	1.175							
345	Amprolium (ppm)	5	3	2.430	0.9021	2.430	0.9021	0.5208	37.12%	0.1400	14.00%
351	Chlortetracycline (ppm)	1		3.000							
354	Decoquinatate (ppm)	1	1	0.8000							
361	Lasalocid Sodium (ppm)	1		0.1000							
365	Monensin (ppm)	1		0.1000							
367	Nicarbazin (ppm)	1		0.1000							
386	Tiamulin (ppm)	4	4	3.676	0.5350	3.676	0.5350	0.2675	14.55%	0.3113	13.15%
388	Tylosin (ppm)	4	3	2.267	1.285	2.267	1.285	0.7418	56.68%	0.2400	14.14%
392	Fenbendazole (ppm)	1		1.000							
400	Water Activity (Units)	8	8	0.6040	0.0107	0.6042	0.0116	0.0051	1.91%	0.0035	
516	Arsenic, Total (As) (ppm)	9	7	0.0669	0.0104	0.0669	0.0118	0.0056	17.68%	0.0162	22.00%
518	Cadmium (ppm)	11	10	0.1076	0.0071	0.1082	0.0066	0.0026	6.07%	0.0060	22.00%
520	Chromium, Total (Cr) (ppm)	18	18	6.041	1.073	6.042	1.177	0.3469	19.49%	0.3775	12.20%
526	Lead (ppm)	11	8	0.1795	0.0458	0.1695	0.0246	0.0109	14.49%	0.0172	20.89%
529	Mercury (ppb)	4	1								
539	Nickel (ppm)	11	11	2.464	0.4687	2.464	0.5315	0.2003	21.57%	0.1640	13.97%
702	Butyric Acid (4:0) (%)	1		0.0200							
704	Caproic Acid (6:0) (%)	1		0.0200							
706	Caprylic acid (8:0) (%) (w/w)	2		0.0200							
708	Capric acid (10:0) (%) (w/w)	2		0.0200							
710	Lauric Acid (12:0) (%) (w/w)	3									
714	Myristic Acid (14:0) (%) (w/w)	2	1	0.0064							
716	Palmitic Acid (16:0) (%) (w/w)	2	2	0.5708	0.0208						
718	Palmitoleic Acid (9c-16:1) (%) (w/w)	2	1	0.0067							
720	Margaric acid (17:0) (%) (w/w)	1		0.0200							
722	Stearic Acid (18:0) (%) (w/w)	2	2	0.0794	0.0001						
724	Oleic Acid (9c-18:1) (%) (w/w)	2	2	0.7787	0.0187						
726	Linoleic Acid (9c,12c-18:2) (%) (w/w)	2	2	1.605	0.0440						
728	alpha-Linolenic Acid (9c,12c,15c-18:3) (%) (w/w)	2	2	0.0887	0.0010						
730	Arachidic Acid (20:0) (%) (w/w)	2	1	0.0119							
732	Gondoic Acid (11c-20:1) (%) (w/w)	2	1	0.0143							
736	Arachidonic Acid (5c,8c,11c,14c-20:4) (%) (w/w)	1		0.0200							
740	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5) (%) (w/w)	3									
742	Behenic Acid (22:0) (%) (w/w)	2	1	0.0076							
744	Erucic Acid (13c-22:1) (%) (w/w)	3									

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746	Docosapentaenoic Acid n-3 DPA (7c,10c,13c,16c,19c-22:5) (%)	3									
748	Lignoceric Acid (24:0) (%) (w/w)	2	1	0.0093							
750	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6) (%)	3									
752	Nervonic Acid (24:1) isomers (%) (w/w)	2		0.0050							
754	Total n-3 Polyunsaturated (Omega-3) Fatty Acids (%) (w/w)	1	1	0.0895							
756	Total n-6 Polyunsaturated (Omega-6) Fatty Acids (%) (w/w)	1	1	1.580							
758	Total Saturated Fatty Acids (%) (w/w)	1	1	0.7225							
764	Total cis Monounsaturated Fatty Acids (%) (w/w)	1	1	0.8345							
768	Total cis Polyunsaturated Fatty Acids (%) (w/w)	1	1	1.672							
770	Total Fat (equivalent to NLEA) (%) (w/w)	1	1	3.388							
772	Total Fatty Acids (%) (w/w)	2	2	3.224	0.0202						

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.