



**AAFCO**  
Association of American Feed Control Officials



**Animal Feed Scheme**  
**Lamb Grower, Medicated**  
**Test Material Code # 202423**

**Analyte Summary Report**

**# Labs Reporting: 157**  
**# Analytes Reported: 117**  
**Issue Date : 04/30/2024**

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 (%)	1	1	5.720							
001	Loss on Drying (%)	62	60	10.93	0.4904	10.98	0.3710	0.0599	3.38%	0.1131	2.79%
002	Protein, Crude (%)	154	151	16.23	0.9403	16.24	0.3288	0.0335	2.02%	0.1488	2.48%
003	Fat, Crude (%)	133	127	3.109	0.3487	3.094	0.2536	0.0281	8.20%	0.0817	3.37%
004	Fiber, Crude (%)	102	100	5.512	0.7415	5.457	0.4448	0.0556	8.15%	0.1656	3.10%
005	Ash (%)	124	122	8.864	0.5694	8.913	0.3140	0.0355	3.52%	0.0865	2.88%
006	Total Sugars (%)	12	12	5.813	1.095	5.644	0.7196	0.2597	12.75%	0.2661	3.08%
008	Fiber, Acid Detergent (%)	58	57	6.960	0.4759	6.970	0.4245	0.0703	6.09%	0.1543	2.99%
009	Fiber, Neutral Detergent (%)	52	51	17.09	1.085	16.95	0.8292	0.1451	4.89%	0.3528	2.43%
010	Moisture (%)	21	20	10.96	0.6272	10.95	0.6281	0.1756	5.74%	0.1120	2.79%
011	Loss on Drying, HT (%)	66	65	11.78	0.5544	11.86	0.4074	0.0632	3.43%	0.1137	2.76%
012	Starch (%)	41	39	32.50	1.560	32.52	1.736	0.3474	5.34%	0.5371	1.75%
013	Fat, Pretreat (%)	45	45	4.066	0.5931	4.125	0.4873	0.0908	11.81%	0.1386	3.23%
015	Aluminum (ppm)	13	13	103.5	20.36	104.2	21.53	7.464	20.67%	3.903	7.95%
017	Boron (ppm)	16	15	7.756	0.7779	7.784	0.7706	0.2487	9.90%	0.2592	11.75%
019	Calcium (%)	121	118	1.821	0.1368	1.815	0.1022	0.0118	5.63%	0.0492	3.66%
021	Cobalt (ppm)	29	28	2.557	0.4416	2.611	0.3429	0.0810	13.13%	0.1576	13.85%
022	Copper (ppm)	83	77	7.377	1.411	7.258	1.080	0.1538	14.87%	0.5048	11.87%
024	Iodine (ppm)	3	3	3.653	1.074	3.653	1.074	0.6199	29.39%	0.7450	13.16%
025	Iron (ppm)	84	82	241.1	27.86	240.1	21.11	2.914	8.79%	8.184	7.01%
027	Magnesium (%)	88	87	0.3740	0.0258	0.3764	0.0173	0.0023	4.60%	0.0104	4.63%
028	Manganese (ppm)	87	86	233.8	21.82	233.6	14.48	1.952	6.20%	9.887	7.04%
030	Nitrate (%)	1	1	0.0016							
031	Phosphorus (%)	112	111	0.8074	0.1351	0.7930	0.0412	0.0049	5.20%	0.0191	4.14%
032	Potassium (%)	89	88	0.9946	0.0588	0.9957	0.0578	0.0077	5.81%	0.0217	4.00%
033	Salt as chloride (%)	61	60	1.728	0.3215	1.814	0.1294	0.0209	7.13%	0.0288	3.66%
034	Selenium, Total (Se) (ppm)	24	22	2.354	0.3307	2.358	0.3489	0.0930	14.80%	0.1870	14.06%
035	Sodium (%)	84	82	0.4295	0.0259	0.4301	0.0230	0.0032	5.35%	0.0103	4.54%
036	Sulfur (%)	46	44	0.2973	0.0228	0.2980	0.0236	0.0045	7.94%	0.0075	4.80%

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037	Zinc (ppm)	89	87	449.4	55.87	450.6	37.25	4.992	8.27%	17.37	6.38%
038	Molybdenum (ppm)	24	24	6.134	0.5433	6.106	0.4908	0.1252	8.04%	0.4037	12.18%
040	Barium (ppm)	2	2	9.874	1.013						
041	Vanadium (ppm)	1	1	0.7857							
042	Chloride (%)	6	6	1.139	0.0440	1.139	0.0499	0.0255	4.38%	0.0153	3.92%
101	Choline Chloride (ppm)	1	1	1,320							
102	Niacin (ppm)	2	2	35.45	27.72						
103	Pantothenic Acid (ppm)	1	1	9.405							
104	Riboflavin (ppm)	3	3	1.100	0.5724	1.100	0.5724	0.3305	52.03%		15.77%
105	Thiamine (ppm)	3	3	3.795	1.598	3.795	1.598	0.9228	42.12%	0.0550	13.09%
106	Vitamin A (KU / kg)	13	13	23.16	5.213	22.84	5.134	1.780	22.48%	2.848	
107	Vitamin B12 (ppb)	1	1	4.920							
108	Vitamin D3 (KU / kg)	6	6	2.254	0.6385	2.095	0.3122	0.1593	14.91%	0.8830	
109	Vitamin E (IU / kg)	13	13	100.2	17.49	100.2	19.84	6.877	19.80%	8.009	
111	Vitamin C, Phosphorylated (ppm)	2		1.000							
112	Pyridoxine (µg / g)	2	2	3.895	0.8132						
113	Folic Acid (ppm)	2	1	0.9015							
114	Biotin (ppm)	2	2	0.2078	0.0499						
115	Non Protein N (NPN) (%)	3	3	0.8001	0.5260	0.8001	0.5260	0.3037	65.73%	0.0573	4.14%
120	Alanine (%)	25	25	0.7638	0.0426	0.7652	0.0369	0.0092	4.83%	0.0129	4.16%
121	Arginine (%)	25	24	0.9881	0.0516	0.9891	0.0459	0.0117	4.64%	0.0183	4.01%
122	Aspartic (%)	24	23	1.358	0.0617	1.359	0.0527	0.0137	3.88%	0.0151	3.82%
124	Cysteine/Cystine (%)	26	26	0.2689	0.0338	0.2688	0.0253	0.0062	9.41%	0.0085	4.87%
125	Glutamic (%)	24	23	2.712	0.1670	2.711	0.1426	0.0372	5.26%	0.0173	3.44%
126	Glycine (%)	24	23	0.6616	0.0678	0.6761	0.0273	0.0071	4.04%	0.0071	4.24%
127	Histidine (%)	24	24	0.3884	0.0321	0.3858	0.0276	0.0070	7.15%	0.0097	4.62%
128	Isoleucine (%)	25	24	0.5613	0.0379	0.5594	0.0382	0.0098	6.83%	0.0144	4.37%
129	Leucine (%)	25	24	1.167	0.0819	1.159	0.0507	0.0129	4.38%	0.0171	3.91%
130	L-Lysine (%)	26	25	0.6960	0.0511	0.6994	0.0408	0.0102	5.83%	0.0100	4.22%
131	Methionine (%)	27	26	0.2277	0.0385	0.2196	0.0186	0.0046	8.48%	0.0068	5.02%
132	Phenylalanine (%)	25	24	0.6936	0.0374	0.6942	0.0269	0.0069	3.87%	0.0111	4.23%
133	Proline (%)	24	24	0.8852	0.0686	0.8810	0.0622	0.0159	7.07%	0.0202	4.08%
134	Serine (%)	25	24	0.7084	0.0420	0.7067	0.0293	0.0075	4.15%	0.0090	4.21%
135	Threonine (%)	27	27	0.5390	0.0243	0.5394	0.0204	0.0049	3.79%	0.0133	4.39%
136	Tryptophan (%)	19	17	0.1874	0.0234	0.1880	0.0231	0.0070	12.30%	0.0057	5.14%
137	Tyrosine (%)	22	21	0.4429	0.0615	0.4489	0.0484	0.0132	10.77%	0.0112	4.51%
138	Valine (%)	25	24	0.6990	0.0372	0.6971	0.0382	0.0097	5.47%	0.0122	4.22%
139	Taurine (%)	8	3	0.0655	0.0395	0.0655	0.0395	0.0285	60.37%	0.0054	6.03%
160	Fructose (%)	1	1	0.4500							
162	Glucose (%)	2	2	2.503	2.966						

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163	Lactose (%)	1	1	3.010							
164	Maltose (%)	1		0.1500							
165	Sucrose (%)	1		0.1500							
166	Raffinose (%)	1	1	0.5250							
167	Stachyose (%)	1	1	1.085							
351	Chlortetracycline (ppm)	13	13	48.08	7.055	48.10	7.963	2.761	16.56%	2.842	8.93%
357	Ethoxyquin (ppm)	1		0.0000							
361	Lasalocid Sodium (ppm)	1		0.3000							
365	Monensin (ppm)	1		0.1000							
367	Nicarbazin (ppm)	1		0.1000							
382	Sulfamethazine (ppm)	6	6	92.66	14.18	88.97	6.504	3.319	7.31%	5.704	8.14%
386	Tiamulin (ppm)	1		1.000							
388	Tylosin (ppm)	1		0.2000							
392	Fenbendazole (ppm)	1		1.000							
400	Water Activity (Units)	15	14	0.5827	0.0147	0.5830	0.0161	0.0054	2.76%	0.0061	
413	Starch, Resistant (%)	1	1	4.300							
516	Arsenic, Total (As) (ppm)	7	6	0.0561	0.0100	0.0561	0.0113	0.0058	20.20%	0.0033	22.00%
518	Cadmium (ppm)	10	8	0.0835	0.0086	0.0835	0.0097	0.0043	11.66%	0.0020	22.00%
520	Chromium, Total (Cr) (ppm)	16	15	5.708	1.618	5.753	1.734	0.5596	30.14%	0.1730	12.29%
526	Lead (ppm)	10	9	0.2258	0.1733	0.1882	0.1055	0.0439	56.02%	0.1040	20.57%
529	Mercury (ppb)	5	2	1.458	1.410	1.458	1.410	0.9973	96.76%	0.0262	22.00%
539	Nickel (ppm)	9	9	3.382	0.9694	3.382	1.099	0.4580	32.50%	0.0691	13.32%
706	Caprylic acid (8:0) (% (w/w))	1		0.0500							
708	Capric acid (10:0) (% (w/w))	1		0.0500							
710	Lauric Acid (12:0) (% (w/w))	3	1								
714	Myristic Acid (14:0) (% (w/w))	2	2	0.0753	0.0986						
716	Palmitic Acid (16:0) (% (w/w))	2	2	7.734	10.12						
718	Palmitoleic Acid (9c-16:1) (% (w/w))	3	3	0.0682	0.1055	0.0682	0.1055	0.0609	154.74%	0.0006	5.99%
722	Stearic Acid (18:0) (% (w/w))	2	2	1.174	1.537						
724	Oleic Acid (9c-18:1) (% (w/w))	2	2	12.10	15.90						
726	Linoleic Acid (9c,12c-18:2) (% (w/w))	3	3	17.16	26.67	17.16	26.67	15.40	155.43%	0.7770	2.41%
728	alpha-Linolenic Acid (9c,12c,15c-18:3) (% (w/w))	3	3	0.9742	1.521	0.9742	1.521	0.8779	156.08%	0.0424	4.02%
730	Arachidic Acid (20:0) (% (w/w))	2	2	0.1538	0.1997						
732	Gondoic Acid (11c-20:1) (% (w/w))	1	1	0.0170							
736	Arachidonic Acid (5c,8c,11c,14c-20:4) (% (w/w))	1		0.0000							
740	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5) (% (w/w))	3	1								
742	Behenic Acid (22:0) (% (w/w))	2	2	0.1919	0.2590						
744	Erucic Acid (13c-22:1) (% (w/w))	2	1	0.0750							
746	Docosapentaenoic Acid n-3 DPA (7c,10c,13c,16c,19c-22:5) (%)	3									
748	Lignoceric Acid (24:0) (% (w/w))	2	2	0.1076	0.1378						

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750	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6) (%)	3									
752	Nervonic Acid (24:1) isomers (% (w/w))	1		0.0050							
754	Total n-3 Polyunsaturated (Omega-3) Fatty Acids (% (w/w))	2	2	0.1275	0.0248						
756	Total n-6 Polyunsaturated (Omega-6) Fatty Acids (% (w/w))	2	2	1.945	0.0283						
758	Total Saturated Fatty Acids (% (w/w))	1	1	18.56							
762	Total Monounsaturated Fatty Acids (% (w/w))	1	1	24.35							
766	Total Polyunsaturated Fatty Acids (% (w/w))	1	1	50.75							
772	Total Fatty Acids (% (w/w))	1	1	3.274							

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.