



**AAFCO**  
Association of American Feed Control Officials



**Animal Feed Scheme**  
**Goat Feed, Medicated**  
**Test Material Code # 202324**

**Analyte Summary Report**

**# Labs Reporting: 169**  
**# Analytes Reported: 116**  
**Issue Date : 05/31/2023**

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 (%)	1	1	0.8500							
001	Loss on Drying (%)	70	69	8.219	0.5468	8.304	0.3039	0.0457	3.66%	0.1038	
002	Protein, Crude (%)	165	163	16.53	0.3450	16.52	0.2997	0.0293	1.81%	0.1576	
003	Fat, Crude (%)	133	129	3.342	0.4426	3.309	0.2445	0.0269	7.39%	0.0878	
004	Fiber, Crude (%)	102	101	14.42	1.985	14.47	1.030	0.1282	7.12%	0.2946	
005	Ash (%)	126	126	10.79	0.6196	10.85	0.5052	0.0563	4.65%	0.1391	
006	Total Sugars (%)	12	12	4.100	0.8210	4.151	0.8077	0.2915	19.46%	0.2016	
008	Fiber, Acid Detergent (%)	55	53	19.58	1.526	19.54	1.341	0.2302	6.86%	0.2510	
009	Fiber, Neutral Detergent (%)	52	50	36.04	1.537	35.99	1.413	0.2498	3.93%	0.4264	
010	Moisture (%)	19	18	8.307	0.5892	8.369	0.4932	0.1453	5.89%	0.0623	
011	Loss on Drying, HT (%)	71	70	9.102	0.4832	9.134	0.3328	0.0497	3.64%	0.0938	
012	Starch (%)	37	36	15.37	1.107	15.39	1.116	0.2324	7.25%	0.2857	
013	Fat, Pretreat (%)	45	44	4.103	0.7195	4.122	0.6541	0.1233	15.87%	0.1026	
015	Aluminum (ppm)	15	15	98.27	42.27	98.60	47.23	15.24	47.90%	3.015	
017	Boron (ppm)	15	15	5.891	0.5816	5.857	0.5763	0.1860	9.84%	0.3163	
019	Calcium (%)	116	114	2.282	0.1532	2.280	0.1055	0.0124	4.63%	0.0464	
021	Cobalt (ppm)	20	19	1.382	0.5134	1.333	0.3964	0.1137	29.73%	0.0557	
022	Copper (ppm)	85	83	22.69	4.876	22.99	4.487	0.6157	19.52%	0.8331	
025	Iron (ppm)	75	73	285.0	53.27	294.4	24.48	3.582	8.32%	6.315	
027	Magnesium (%)	78	75	0.3337	0.0227	0.3329	0.0183	0.0026	5.49%	0.0095	
028	Manganese (ppm)	82	79	142.9	14.08	142.6	12.51	1.759	8.77%	4.099	
030	Nitrate (%)	1	1	0.0038							
031	Phosphorus (%)	114	113	0.6786	0.0555	0.6772	0.0293	0.0035	4.33%	0.0160	
032	Potassium (%)	79	77	0.9607	0.0781	0.9611	0.0581	0.0083	6.05%	0.0204	
033	Salt as chloride (%)	57	56	1.150	0.1779	1.190	0.1027	0.0172	8.63%	0.0229	
034	Selenium, Total (Se) (ppm)	17	15	0.6192	0.2184	0.5787	0.1352	0.0437	23.37%	0.0381	
035	Sodium (%)	81	80	0.2973	0.0308	0.3005	0.0188	0.0026	6.24%	0.0098	
036	Sulfur (%)	44	43	0.3262	0.0252	0.3251	0.0231	0.0044	7.11%	0.0109	
037	Zinc (ppm)	87	84	120.6	16.81	122.1	12.68	1.730	10.38%	4.149	

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038	Molybdenum (ppm)	18	17	1.471	0.4374	1.492	0.3685	0.1117	24.70%	0.1074	
040	Barium (ppm)	1	1	16.02							
041	Vanadium (ppm)	1	1	0.5485							
042	Chloride (%)	7	7	0.7669	0.1046	0.7669	0.1187	0.0561	15.47%	0.0173	
101	Choline Chloride (ppm)	1	1	1,320							
102	Niacin (ppm)	2	2	54.20	41.30						
103	Pantothenic Acid (ppm)	1	1	12.55							
104	Riboflavin (ppm)	3	3	1.933	0.6292	1.933	0.6292	0.3632	32.54%	0.1400	
105	Thiamine (ppm)	2	2	3.938	2.132						
106	Vitamin A (KU / kg)	10	10	8.045	1.643	7.869	1.418	0.5604	18.02%	1.396	
107	Vitamin B12 (ppb)	1	1	6.775							
108	Vitamin D3 (KU / kg)	8	6	2.453	0.5349	2.453	0.6066	0.3095	24.73%	0.2083	
109	Vitamin E (IU / kg)	13	13	57.11	30.54	51.08	15.87	5.501	31.06%	2.675	
111	Vitamin C, Phosphorylated (ppm)	1		4.400							
112	Pyridoxine (µg / g)	2	2	3.853	0.8521						
113	Folic Acid (ppm)	2	1	1.170							
114	Biotin (ppm)	1	1	0.2210							
115	Non Protein N (NPN) (%)	2	2	0.6900	0.7920						
120	Alanine (%)	36	36	0.7468	0.0566	0.7536	0.0332	0.0069	4.40%	0.0115	
121	Arginine (%)	36	34	1.058	0.1046	1.067	0.0605	0.0130	5.67%	0.0218	
122	Aspartic (%)	36	36	1.155	0.0961	1.165	0.0536	0.0112	4.60%	0.0212	
124	Cysteine/Cystine (%)	34	33	0.2861	0.0307	0.2882	0.0215	0.0047	7.46%	0.0088	
125	Glutamic (%)	36	35	2.774	0.2413	2.785	0.1333	0.0282	4.79%	0.0264	
126	Glycine (%)	36	35	0.7362	0.0926	0.7473	0.0286	0.0060	3.83%	0.0166	
127	Histidine (%)	36	35	0.3842	0.0414	0.3913	0.0251	0.0053	6.42%	0.0113	
128	Isoleucine (%)	36	36	0.4915	0.0532	0.4948	0.0418	0.0087	8.45%	0.0121	
129	Leucine (%)	36	35	1.063	0.1105	1.078	0.0605	0.0128	5.61%	0.0165	
130	L-Lysine (%)	38	38	0.6308	0.0705	0.6387	0.0468	0.0095	7.33%	0.0154	
131	Methionine (%)	35	35	0.2384	0.0435	0.2305	0.0233	0.0049	10.11%	0.0105	
132	Phenylalanine (%)	36	34	0.6710	0.0588	0.6795	0.0310	0.0067	4.57%	0.0110	
133	Proline (%)	35	34	0.9097	0.0969	0.9122	0.0694	0.0149	7.61%	0.0170	
134	Serine (%)	36	36	0.6940	0.0700	0.6963	0.0519	0.0108	7.45%	0.0179	
135	Threonine (%)	37	37	0.5174	0.0442	0.5196	0.0283	0.0058	5.45%	0.0111	
136	Tryptophan (%)	25	24	0.2103	0.0577	0.2077	0.0343	0.0088	16.53%	0.0047	
137	Tyrosine (%)	33	33	0.4321	0.0628	0.4327	0.0613	0.0133	14.17%	0.0191	
138	Valine (%)	36	36	0.6885	0.0635	0.6955	0.0452	0.0094	6.50%	0.0136	
139	Taurine (%)	6	3	0.0407	0.0186	0.0407	0.0186	0.0134	45.70%	0.0000	
160	Fructose (%)	3	3	0.1942	0.0944	0.1942	0.0944	0.0545	48.59%	0.0183	
162	Glucose (%)	2	2	0.1503	0.1057						
163	Lactose (%)	2		0.0000							

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164	Maltose (%)	1	1	0.3750							
165	Sucrose (%)	3	3	1.673	0.0957	1.673	0.0957	0.0553	5.72%	0.0600	
166	Raffinose (%)	1	1	0.7500							
167	Stachyose (%)	1		0.0500							
351	Chlortetracycline (ppm)	4	4	8.975	4.329	8.975	4.329	2.165	48.24%	0.4904	
354	Decoquinatate (ppm)	16	16	151.8	15.65	153.6	13.61	4.253	8.86%	3.981	
361	Lasalocid Sodium (ppm)	1	1	0.3150							
365	Monensin (ppm)	21	20	18.80	1.693	19.05	1.240	0.3465	6.51%	0.6614	
379	Salinomycin (ppm)	1		0.2500							
391	Narasin (ppm)	1		0.2500							
400	Water Activity (Units)	16	15	0.4745	0.0205	0.4745	0.0232	0.0075	4.90%	0.0082	
516	Arsenic, Total (As) (ppm)	9	8	0.1037	0.0362	0.1124	0.0167	0.0074	14.84%	0.0153	
518	Cadmium (ppm)	12	11	0.0973	0.0085	0.0971	0.0092	0.0035	9.50%	0.0043	
520	Chromium, Total (Cr) (ppm)	12	12	6.851	3.276	6.851	3.714	1.340	54.21%	0.2590	
526	Lead (ppm)	12	9	0.1325	0.0181	0.1325	0.0205	0.0085	15.45%	0.0061	
529	Mercury (ppb)	3	1								
539	Nickel (ppm)	8	8	3.821	1.789	3.821	2.029	0.8968	53.11%	0.0469	
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)	4	1								
714	Myristic Acid (14:0) (%) (w/w)	2	1	0.0079							
716	Palmitic Acid (16:0) (%) (w/w)	2	2	0.6467	0.0415						
718	Palmitoleic Acid (9c-16:1) (%) (w/w)	3	2	0.0080	0.0007	0.0080	0.0007	0.0005	8.88%	0.0006	
720	Margaric acid (17:0) (%) (w/w)	1		0.0200							
722	Stearic Acid (18:0) (%) (w/w)	2	2	0.0708	0.0094						
724	Oleic Acid (9c-18:1) (%) (w/w)	2	2	0.6744	0.0115						
726	Linoleic Acid (9c,12c-18:2) (%) (w/w)	3	3	1.916	0.0901	1.916	0.0901	0.0520	4.70%	0.0337	
728	alpha-Linolenic Acid (9c,12c,15c-18:3) (%) (w/w)	3	3	0.1214	0.0066	0.1214	0.0066	0.0038	5.43%	0.0039	
730	Arachidic Acid (20:0) (%) (w/w)	2	1	0.0104							
732	Gondoic Acid (11c-20:1) (%) (w/w)	2	1	0.0166							
736	Arachidonic Acid (5c,8c,11c,14c-20:4) (%) (w/w)	2		0.0000							
740	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5) (%) (w/w)	4									
742	Behenic Acid (22:0) (%) (w/w)	2	1	0.0091							
744	Erucic Acid (13c-22:1) (%) (w/w)	2		0.0050							
746	Docosapentaenoic Acid n-3 DPA (7c,10c,13c,16c,19c-22:5) (%) (w/w)	4									
748	Lignoceric Acid (24:0) (%) (w/w)	2	1	0.0118							
750	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6) (%) (w/w)	4									
752	Nervonic Acid (24:1) isomers (%) (w/w)	2		0.0050							

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754	Total n-3 Polyunsaturated (Omega-3) Fatty Acids (% (w/w))	2	2	0.1235	0.0092						
756	Total n-6 Polyunsaturated (Omega-6) Fatty Acids (% (w/w))	2	2	1.914	0.1223						
758	Total Saturated Fatty Acids (% (w/w))	1	1	0.8245							
764	Total cis Monounsaturated Fatty Acids (% (w/w))	1	1	0.7660							
768	Total cis Polyunsaturated Fatty Acids (% (w/w))	1	1	1.948							
770	Total Fat (equivalent to NLEA) (% (w/w))	1	1	3.727							
772	Total Fatty Acids (% (w/w))	2	2	3.516	0.0654						

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.