



AAFCO
Association of American Feed Control Officials



Animal Feed Scheme

Goat Feed, Residues

Test Material Code # 202530

Analyte Summary Report

Labs Reporting: 158

Analytes Reported: 115

Issue Date : 11/30/2025

Analyte Group Code	Analyte and Method	Total # Tests Submitted	# Tests in Robust Calcs	Raw Mean	Raw SD	Assigned Value Robust Mean	AAFCO ffp Robust SD	Uncertainty (U) Robust	% RSD - Robust	Average Range (Rob R-bar)	Thompson Horwitz %RSD
001	Loss on Drying (%)	63	61	8.320	0.4022	8.369	0.2722	0.0436	3.25%	0.0963	2.91%
002	Protein, Crude (%)	149	144	18.31	0.4723	18.33	0.3244	0.0338	1.77%	0.1698	2.34%
003	Fat, Crude (%)	129	125	3.591	0.3313	3.584	0.2690	0.0301	7.50%	0.1104	3.30%
004	Fiber, Crude (%)	106	103	12.86	1.231	12.91	0.8229	0.1013	6.38%	0.2347	2.72%
005	Ash (%)	118	116	8.401	0.3636	8.413	0.2864	0.0332	3.40%	0.1180	2.90%
006	Total Sugars (%)	5	5	5.462	0.8431	5.462	0.8431	0.3770	15.44%	0.4831	3.10%
008	Fiber, Acid Detergent (%)	58	57	17.85	1.313	17.98	1.087	0.1800	6.05%	0.3255	2.36%
009	Fiber, Neutral Detergent (%)	53	52	35.20	1.237	35.15	1.157	0.2005	3.29%	0.3487	1.69%
010	Moisture (%)	23	23	8.742	0.6917	8.656	0.5585	0.1456	6.45%	0.1527	2.89%
011	Loss on Drying, HT (%)	68	65	9.283	0.4294	9.310	0.3844	0.0596	4.13%	0.1105	2.86%
012	Starch (%)	40	37	15.14	1.148	15.18	1.211	0.2489	7.98%	0.2915	2.57%
013	Fat, Pretreat (%)	49	49	4.682	0.7669	4.730	0.5397	0.0964	11.41%	0.2564	3.17%
014	Fiber, Total Dietary (%)	4	3	39.92	1.263	39.92	1.263	0.7291	3.16%	0.1523	1.58%
015	Aluminum (ppm)	16	15	58.40	16.12	58.92	17.11	5.521	29.03%	3.184	8.66%
017	Boron (ppm)	18	18	7.302	0.9732	7.221	0.7122	0.2098	9.86%	0.3262	11.88%
019	Calcium (%)	118	115	1.258	0.1214	1.263	0.0912	0.0106	7.21%	0.0399	3.86%
021	Cobalt (ppm)	26	24	1.165	0.2358	1.171	0.2535	0.0647	21.65%	0.1032	15.62%
022	Copper (ppm)	87	86	27.77	8.422	27.47	4.233	0.5706	15.41%	1.759	9.72%
024	Iodine (ppm)	1	1	0.8530							
025	Iron (ppm)	84	84	237.3	24.51	237.8	23.36	3.186	9.82%	9.774	7.02%
027	Magnesium (%)	87	85	0.3715	0.0416	0.3696	0.0184	0.0025	4.97%	0.0107	4.65%
028	Manganese (ppm)	87	85	133.9	10.64	133.9	9.269	1.257	6.92%	3.831	7.66%
030	Nitrate (%)	1	1	0.0500							
031	Phosphorus (%)	114	111	0.7147	0.0577	0.7166	0.0365	0.0043	5.10%	0.0156	4.21%
032	Potassium (%)	90	87	1.070	0.1141	1.061	0.0584	0.0078	5.51%	0.0219	3.96%
033	Salt as chloride (%)	51	50	1.325	0.1668	1.348	0.1349	0.0239	10.01%	0.0289	3.82%
034	Selenium, Total (Se) (ppm)	24	21	0.6947	0.2385	0.6837	0.1281	0.0349	18.73%	0.0601	16.94%
035	Sodium (%)	89	87	0.3513	0.0330	0.3514	0.0241	0.0032	6.86%	0.0112	4.68%
036	Sulfur (%)	44	42	0.3321	0.0261	0.3304	0.0208	0.0040	6.28%	0.0109	4.73%

Analyte Group Code	Analyte and Method	Total # Tests Submitted	# Tests in Robust Calcs	Raw Mean	Raw SD	Assigned Value Robust Mean	AAFCO ffp Robust SD	Uncertainty (U) Robust	% RSD - Robust	Average Range (Rob R-bar)	Thompson Horwitz %RSD
037	Zinc (ppm)	86	84	129.8	20.96	128.6	12.03	1.641	9.36%	4.562	7.70%
038	Molybdenum (ppm)	24	24	2.104	0.4399	2.081	0.3637	0.0928	17.48%	0.2136	14.33%
040	Barium (ppm)	3	3	15.72	1.593	15.72	1.593	0.9194	10.13%	1.050	10.57%
041	Vanadium (ppm)	2	2	0.3136	0.0503						
042	Chloride (%)	10	10	0.8782	0.1055	0.8782	0.1196	0.0473	13.62%	0.0286	4.08%
101	Choline Chloride (ppm)	1	1	1,370							
102	Niacin (ppm)	2	2	50.73	50.38						
103	Pantothenic Acid (ppm)	1	1	10.75							
104	Riboflavin (ppm)	3	3	1.330	0.7793	1.330	0.7793	0.4499	58.62%	0.0543	15.33%
105	Thiamine (ppm)	3	3	4.700	1.501	4.700	1.501	0.8667	31.94%	0.2333	12.67%
106	Vitamin A (KU / kg)	15	15	6.516	3.398	5.776	1.258	0.4060	21.78%	0.9294	
107	Vitamin B12 (ppb)	2	1	5.060							
108	Vitamin D3 (KU / kg)	8	6	2.730	0.6282	2.698	0.6353	0.3242	23.55%	0.1469	
109	Vitamin E (IU / kg)	14	13	58.35	17.94	56.21	15.39	5.336	27.38%	2.750	
111	Vitamin C, Phosphorylated (ppm)	1		4.400							
112	Pyridoxine (µg / g)	2	2	5.993	0.2581						
113	Folic Acid (ppm)	2	1	0.9105							
114	Biotin (ppm)	1	1	0.2170							
115	Non Protein N (NPN) (%)	2	2	0.4558	0.3235						
120	Alanine (%)	24	23	0.8736	0.0317	0.8748	0.0265	0.0069	3.03%	0.0148	4.08%
121	Arginine (%)	24	23	1.100	0.1189	1.120	0.0492	0.0128	4.40%	0.0107	3.93%
122	Aspartic (%)	24	22	1.384	0.0514	1.382	0.0491	0.0131	3.55%	0.0135	3.81%
124	Cysteine/Cystine (%)	25	25	0.3037	0.0243	0.3070	0.0182	0.0046	5.94%	0.0122	4.78%
125	Glutamic (%)	24	23	3.108	0.0982	3.105	0.1001	0.0261	3.22%	0.0300	3.37%
126	Glycine (%)	24	23	0.8351	0.0257	0.8382	0.0191	0.0050	2.28%	0.0126	4.11%
127	Histidine (%)	24	24	0.4372	0.0358	0.4438	0.0200	0.0051	4.51%	0.0103	4.52%
128	Isoleucine (%)	24	23	0.5769	0.0584	0.5854	0.0343	0.0089	5.86%	0.0109	4.34%
129	Leucine (%)	24	24	1.199	0.1925	1.249	0.0522	0.0133	4.18%	0.0167	3.87%
130	L-Lysine (%)	25	23	0.7507	0.0445	0.7475	0.0385	0.0100	5.15%	0.0147	4.18%
131	Methionine (%)	25	25	0.2551	0.0192	0.2561	0.0142	0.0035	5.54%	0.0115	4.91%
132	Phenylalanine (%)	24	23	0.7574	0.0530	0.7624	0.0292	0.0076	3.83%	0.0131	4.17%
133	Proline (%)	23	21	1.027	0.0456	1.027	0.0509	0.0139	4.96%	0.0212	3.98%
134	Serine (%)	23	23	0.7747	0.0480	0.7786	0.0322	0.0084	4.13%	0.0170	4.15%
135	Threonine (%)	24	24	0.5916	0.0272	0.5923	0.0230	0.0059	3.89%	0.0137	4.33%
136	Tryptophan (%)	21	20	0.2252	0.0386	0.2276	0.0370	0.0103	16.27%	0.0059	5.00%
137	Tyrosine (%)	23	23	0.4799	0.0600	0.4834	0.0569	0.0148	11.77%	0.0184	4.46%
138	Valine (%)	24	23	0.7852	0.0882	0.7976	0.0389	0.0101	4.88%	0.0147	4.14%
139	Taurine (%)	6	3	0.1235	0.0823	0.1235	0.0823	0.0594	66.65%	0.0055	5.48%
160	Fructose (%)	3	3	0.2467	0.0683	0.2467	0.0683	0.0394	27.67%	0.0600	4.94%
161	Galactose (%)	2	1	0.0200							

Analyte Group Code	Analyte and Method	Total # Tests Submitted	# Tests in Robust Calcs	Raw Mean	Raw SD	Assigned Value Robust Mean	AAFCO ffp Robust SD	Uncertainty (U) Robust	% RSD - Robust	Average Range (Rob R-bar)	Thompson Horwitz %RSD
162	Glucose (%)	3	2	0.1700	0.0354	0.1700	0.0354	0.0250	20.80%	0.0300	5.22%
163	Lactose (%)	2		0.0000							
164	Maltose (%)	3	2	0.2500	0.0212	0.2500	0.0212	0.0150	8.48%	0.0300	4.93%
165	Sucrose (%)	3	3	2.333	0.1602	2.333	0.1602	0.0925	6.86%	0.0667	3.52%
166	Raffinose (%)	3	3	0.7517	0.0723	0.7517	0.0723	0.0418	9.62%	0.0300	4.18%
167	Stachyose (%)	3	3	0.4750	0.1344	0.4750	0.1344	0.0776	28.30%	0.0350	4.47%
365	Monensin (ppm)	17	17	19.76	1.732	19.70	1.813	0.5497	9.21%	0.7879	10.21%
400	Water Activity (Units)	18	16	0.4797	0.0162	0.4791	0.0152	0.0047	3.16%	0.0050	
516	Arsenic, Total (As) (ppm)	8	7	0.0935	0.0184	0.0912	0.0151	0.0071	16.54%	0.0083	22.00%
518	Cadmium (ppm)	11	11	0.1421	0.0427	0.1516	0.0187	0.0070	12.31%	0.0121	21.25%
520	Chromium, Total (Cr) (ppm)	15	15	4.995	2.247	4.971	2.495	0.8054	50.20%	0.3733	12.57%
526	Lead (ppm)	10	8	0.2628	0.3125	0.1904	0.1522	0.0672	79.90%	0.0369	20.53%
529	Mercury (ppb)	4	2	265.4	374.3	265.4	374.3	264.6	141.03%		19.53%
539	Nickel (ppm)	8	8	3.251	1.478	3.251	1.676	0.7409	51.56%	0.2893	13.40%
702	Butyric Acid (4:0) (%)	1		0.0000							
704	Caproic Acid (6:0) (%)	1		0.0005							
706	Caprylic acid (8:0) (%) (w/w))	2		0.0000							
708	Capric acid (10:0) (%) (w/w))	2	1	0.0800							
710	Lauric Acid (12:0) (%) (w/w))	3	1								
714	Myristic Acid (14:0) (%) (w/w))	3	3	0.0737	0.1138	0.0737	0.1138	0.0657	154.45%	0.0051	5.92%
716	Palmitic Acid (16:0) (%) (w/w))	3	3	6.175	9.518	6.175	9.518	5.495	154.14%	0.0585	3.04%
718	Palmitoleic Acid (9c-16:1) (%) (w/w))	3	3	0.0862	0.1332	0.0862	0.1332	0.0769	154.60%		5.78%
720	Margaric acid (17:0) (%) (w/w))	1	1	0.0060							
722	Stearic Acid (18:0) (%) (w/w))	3	3	0.7917	1.224	0.7917	1.224	0.7066	154.59%	0.0241	4.14%
724	Oleic Acid (9c-18:1) (%) (w/w))	3	3	6.896	10.66	6.896	10.66	6.152	154.54%	0.0457	2.99%
726	Linoleic Acid (9c,12c-18:2) (%) (w/w))	3	3	18.34	28.30	18.34	28.30	16.34	154.35%	0.0237	2.34%
728	alpha-Linolenic Acid (9c,12c,15c-18:3) (%) (w/w))	3	3	1.309	2.023	1.309	2.023	1.168	154.57%	0.0061	3.84%
730	Arachidic Acid (20:0) (%) (w/w))	3	3	0.1125	0.1754	0.1125	0.1754	0.1013	155.93%	0.0037	5.56%
732	Gondoic Acid (11c-20:1) (%) (w/w))	2	2	0.0208	0.0018						
736	Arachidonic Acid (5c,8c,11c,14c-20:4) (%) (w/w))	1		0.0005							
740	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5) (%) (w/w))	3									
742	Behenic Acid (22:0) (%) (w/w))	3	3	0.1322	0.2103	0.1322	0.2103	0.1214	159.14%	0.0174	5.42%
744	Erucic Acid (13c-22:1) (%) (w/w))	3	2	0.0770	0.1032	0.0770	0.1032	0.0730	134.08%		5.88%
746	Docosapentaenoic Acid n-3 DPA (7c,10c,13c,16c,19c-22:5) (%) (w/w))	3									
748	Lignoceric Acid (24:0) (%) (w/w))	3	3	0.1265	0.1979	0.1265	0.1979	0.1143	156.43%	0.0252	5.46%
750	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6) (%) (w/w))	3									
752	Nervonic Acid (24:1) isomers (%) (w/w))	2	1	0.0130							
754	Total n-3 Polyunsaturated (Omega-3) Fatty Acids (%) (w/w))	2	2	0.1508	0.0202						
756	Total n-6 Polyunsaturated (Omega-6) Fatty Acids (%) (w/w))	2	2	2.148	0.2436						
758	Total Saturated Fatty Acids (%) (w/w))	2	2	10.96	14.35						

Analyte Group Code	Analyte and Method	Total # Tests Submitted	# Tests in Robust Calcs	Raw Mean	Raw SD	Assigned Value Robust Mean	AAFCO ffp Robust SD	Uncertainty (U) - Robust	% RSD - Robust	Average Range (Rob R-bar)	Thompson Horwitz %RSD
762	Total Monounsaturated Fatty Acids (% (w/w))	1	1	20.67							
764	Total cis Monounsaturated Fatty Acids (% (w/w))	1	1	0.8140							
766	Total Polyunsaturated Fatty Acids (% (w/w))	1	1	54.79							
768	Total cis Polyunsaturated Fatty Acids (% (w/w))	1	1	2.117							
770	Total Fat (equivalent to NLEA) (% (w/w))	1	1	3.940							
772	Total Fatty Acids (% (w/w))	2	2	3.776	0.0120						

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.