



AAFCO
Association of American Feed Control Officials



Animal Feed Scheme

Oats

Test Material Code # 202532

Analyte Summary Report

Labs Reporting: 150

Analytes Reported: 103

Issue Date : 01/31/2026

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 (%)	58	55	9.817	0.9522	9.929	0.5113	0.0862	5.15%	0.1241	2.83%
002	Protein, Crude (%)	142	140	12.66	0.6286	12.65	0.4862	0.0514	3.84%	0.3104	2.73%
003	Fat, Crude (%)	122	122	3.708	0.6978	3.702	0.4296	0.0486	11.61%	0.1377	3.28%
004	Fiber, Crude (%)	103	101	10.67	1.376	10.80	0.6393	0.0795	5.92%	0.3233	2.80%
005	Ash (%)	116	113	3.050	0.3104	3.001	0.1008	0.0119	3.36%	0.0669	3.39%
006	Total Sugars (%)	10	10	1.464	0.5259	1.464	0.5964	0.2357	40.73%	0.2086	3.78%
008	Fiber, Acid Detergent (%)	54	52	13.97	1.621	14.10	1.158	0.2008	8.21%	0.3764	2.66%
009	Fiber, Neutral Detergent (%)	48	47	28.21	2.227	28.37	1.732	0.3159	6.11%	0.5623	1.88%
010	Moisture (%)	22	22	9.871	1.218	10.09	0.8217	0.2190	8.15%	0.1708	2.82%
011	Loss on Drying, HT (%)	66	64	10.45	0.5537	10.50	0.4165	0.0651	3.96%	0.1091	2.81%
012	Starch (%)	36	36	38.27	1.780	38.46	1.401	0.2919	3.64%	0.8673	1.61%
013	Fat, Pretreat (%)	49	47	4.851	0.6609	4.848	0.5348	0.0975	11.03%	0.2004	3.15%
014	Fiber, Total Dietary (%)	2	2	27.08	1.945						
015	Aluminum (ppm)	13	12	24.04	39.21	13.92	7.320	2.642	52.59%	1.388	10.76%
017	Boron (ppm)	15	13	1.732	0.6798	1.693	0.6874	0.2383	40.59%	0.1938	14.78%
019	Calcium (%)	102	99	0.0911	0.0714	0.0735	0.0164	0.0021	22.25%	0.0069	5.92%
021	Cobalt (ppm)	16	13	0.4252	0.1706	0.4257	0.1821	0.0631	42.78%	0.0609	18.19%
022	Copper (ppm)	69	64	5.214	3.657	4.528	1.069	0.1670	23.60%	0.3467	12.74%
024	Iodine (ppm)	1	1	0.1365							
025	Iron (ppm)	73	71	63.86	23.58	59.91	12.90	1.914	21.54%	2.773	8.64%
027	Magnesium (%)	83	82	0.1325	0.0143	0.1323	0.0106	0.0015	8.04%	0.0075	5.42%
028	Manganese (ppm)	58	57	49.68	4.503	49.34	3.427	0.5673	6.94%	1.712	8.90%
030	Nitrate (%)	1		0.0005							
031	Phosphorus (%)	107	105	0.3406	0.0446	0.3384	0.0266	0.0032	7.85%	0.0165	4.71%
032	Potassium (%)	85	81	0.4078	0.0346	0.4054	0.0324	0.0045	7.98%	0.0125	4.58%
033	Salt as chloride (%)	40	36	0.1101	0.0625	0.1046	0.0495	0.0103	47.37%	0.0153	5.62%
034	Selenium, Total (Se) (ppm)	22	19	0.4004	0.1214	0.3771	0.0651	0.0187	17.27%	0.0319	18.53%
035	Sodium (%)	73	67	0.0150	0.0168	0.0120	0.0054	0.0008	44.75%	0.0017	7.78%
036	Sulfur (%)	50	49	0.1707	0.0255	0.1677	0.0138	0.0025	8.21%	0.0084	5.23%

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037	Zinc (ppm)	78	75	30.56	8.981	29.22	3.257	0.4701	11.15%	1.212	9.63%
038	Molybdenum (ppm)	25	24	1.053	0.2315	1.051	0.2368	0.0604	22.52%	0.0841	15.88%
040	Barium (ppm)	3	3	2.390	0.1651	2.390	0.1651	0.0953	6.91%	0.1087	14.03%
041	Vanadium (ppm)	1	1	0.0763							
042	Chloride (%)	8	7	0.0768	0.0300	0.0714	0.0201	0.0095	28.21%	0.0085	5.95%
101	Choline Chloride (ppm)	1	1	1,550							
102	Niacin (ppm)	1	1	11.15							
103	Pantothenic Acid (ppm)	1	1	4.410							
104	Riboflavin (ppm)	2	2	0.7923	0.3002						
105	Thiamine (ppm)	2	2	5.655	0.9829						
106	Vitamin A (KU / kg)	12	2	0.1850	0.0919	0.1850	0.0919	0.0813	49.69%	0.0530	
107	Vitamin B12 (ppb)	1		4.400							
108	Vitamin D3 (KU / kg)	7	2	1.094	1.306	1.094	1.306	1.154	119.43%	0.1980	
109	Vitamin E (IU / kg)	10	8	5.642	0.6878	5.642	0.7800	0.3447	13.83%	0.4839	
111	Vitamin C, Phosphorylated (ppm)	1		4.400							
112	Pyridoxine (µg / g)	1	1	0.9600							
113	Folic Acid (ppm)	1	1	0.6335							
114	Biotin (ppm)	1	1	0.1520							
115	Non Protein N (NPN) (%)	3	3	0.7830	0.8823	0.7830	0.8823	0.5094	112.69%	0.1027	4.15%
120	Alanine (%)	20	19	0.5868	0.0264	0.5844	0.0229	0.0066	3.93%	0.0105	4.34%
121	Arginine (%)	20	19	0.8059	0.0354	0.8095	0.0308	0.0088	3.81%	0.0172	4.13%
122	Aspartic (%)	20	19	1.016	0.0542	1.009	0.0410	0.0117	4.06%	0.0214	3.99%
124	Cysteine/Cystine (%)	20	19	0.3414	0.0311	0.3422	0.0245	0.0070	7.16%	0.0096	4.70%
125	Glutamic (%)	20	20	2.575	0.1215	2.570	0.1227	0.0343	4.77%	0.0416	3.47%
126	Glycine (%)	20	20	0.5922	0.0202	0.5921	0.0194	0.0054	3.27%	0.0123	4.33%
127	Histidine (%)	20	20	0.2695	0.0137	0.2689	0.0107	0.0030	3.97%	0.0093	4.87%
128	Isoleucine (%)	20	20	0.4698	0.0272	0.4713	0.0195	0.0055	4.15%	0.0178	4.48%
129	Leucine (%)	20	20	0.9102	0.0339	0.9083	0.0268	0.0075	2.95%	0.0197	4.06%
130	L-Lysine (%)	20	20	0.5129	0.0228	0.5120	0.0238	0.0067	4.65%	0.0132	4.42%
131	Methionine (%)	20	20	0.2182	0.0139	0.2173	0.0134	0.0037	6.16%	0.0085	5.03%
132	Phenylalanine (%)	20	19	0.6343	0.0315	0.6316	0.0281	0.0080	4.44%	0.0156	4.29%
133	Proline (%)	19	18	0.6708	0.0382	0.6709	0.0345	0.0102	5.14%	0.0134	4.25%
134	Serine (%)	20	20	0.5775	0.0353	0.5824	0.0270	0.0075	4.64%	0.0134	4.34%
135	Threonine (%)	20	20	0.4197	0.0197	0.4192	0.0186	0.0052	4.44%	0.0122	4.56%
136	Tryptophan (%)	15	15	0.1627	0.0290	0.1642	0.0278	0.0090	16.94%	0.0081	5.25%
137	Tyrosine (%)	19	19	0.3618	0.0580	0.3705	0.0426	0.0122	11.49%	0.0175	4.64%
138	Valine (%)	20	19	0.6365	0.0323	0.6397	0.0250	0.0072	3.90%	0.0115	4.28%
139	Taurine (%)	6	3	0.1397	0.0977	0.1397	0.0977	0.0705	69.97%	0.0107	5.38%
160	Fructose (%)	2	1	0.1400							
162	Glucose (%)	2	1	0.3050							

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163	Lactose (%)	1		0.1500							
164	Maltose (%)	1		0.1500							
165	Sucrose (%)	2	2	0.7800	0.0849						
166	Raffinose (%)	2	2	0.0700	0.0000						
167	Stachyose (%)	2	2	0.1125	0.0460						
400	Water Activity (Units)	17	16	0.4492	0.0364	0.4452	0.0299	0.0093	6.71%	0.0076	
516	Arsenic, Total (As) (ppm)	7	4	0.0158	0.0035	0.0158	0.0035	0.0022	22.41%	0.0022	22.00%
518	Cadmium (ppm)	9	6	0.0350	0.0251	0.0281	0.0104	0.0053	37.12%	0.0014	22.00%
520	Chromium, Total (Cr) (ppm)	13	12	4.164	2.721	4.066	2.863	1.033	70.41%	0.1800	12.95%
526	Lead (ppm)	10	6	0.1234	0.2123	0.0612	0.0772	0.0394	126.09%	0.0297	22.00%
529	Mercury (ppb)	5	3	70.57	120.8	70.57	120.8	69.72	171.10%	0.2690	22.00%
539	Nickel (ppm)	9	8	5.028	1.498	5.028	1.698	0.7506	33.78%	0.1591	12.54%
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))	1		0.0500							
714	Myristic Acid (14:0) (% (w/w))	1	1	0.3250							
716	Palmitic Acid (16:0) (% (w/w))	1	1	17.71							
718	Palmitoleic Acid (9c-16:1) (% (w/w))	1	1	0.2150							
722	Stearic Acid (18:0) (% (w/w))	1	1	2.225							
724	Oleic Acid (9c-18:1) (% (w/w))	1	1	33.35							
726	Linoleic Acid (9c,12c-18:2) (% (w/w))	1	1	40.16							
728	alpha-Linolenic Acid (9c,12c,15c-18:3) (% (w/w))	1	1	1.420							
730	Arachidic Acid (20:0) (% (w/w))	1	1	0.2450							
740	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5) (% (w/w))	1		0.0500							
742	Behenic Acid (22:0) (% (w/w))	1		0.0500							
744	Erucic Acid (13c-22:1) (% (w/w))	1	1	0.0750							
746	Docosapentaenoic Acid n-3 DPA (7c,10c,13c,16c,19c-22:5) (% (w/w))	1		0.0500							
748	Lignoceric Acid (24:0) (% (w/w))	1	1	0.2250							
750	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6) (% (w/w))	1		0.0500							
754	Total n-3 Polyunsaturated (Omega-3) Fatty Acids (% (w/w))	1	1	0.0700							
756	Total n-6 Polyunsaturated (Omega-6) Fatty Acids (% (w/w))	1	1	1.955							
758	Total Saturated Fatty Acids (% (w/w))	1	1	21.09							
762	Total Monounsaturated Fatty Acids (% (w/w))	1	1	34.52							
766	Total Polyunsaturated Fatty Acids (% (w/w))	1	1	41.63							

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.