



AAFCO
Association of American Feed Control Officials



Animal Feed Scheme

Cattle Feed, Medicated

Test Material Code # 202531

Analyte Summary Report

Labs Reporting: 154

Analytes Reported: 106

Issue Date : 12/31/2025

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 (%)	62	60	10.55	0.6898	10.63	0.4011	0.0647	3.77%	0.1044	2.80%
002	Protein, Crude (%)	161	159	18.41	0.4246	18.45	0.2972	0.0295	1.61%	0.1557	2.33%
003	Fat, Crude (%)	128	126	3.638	0.3173	3.616	0.2427	0.0270	6.71%	0.0964	3.30%
004	Fiber, Crude (%)	105	102	5.477	0.7318	5.402	0.4824	0.0597	8.93%	0.1627	3.10%
005	Ash (%)	126	123	7.064	0.3181	7.080	0.2129	0.0240	3.01%	0.0736	2.98%
006	Total Sugars (%)	7	7	5.541	1.027	5.541	1.164	0.5501	21.02%	0.6408	3.09%
008	Fiber, Acid Detergent (%)	60	58	7.400	0.8505	7.459	0.4792	0.0786	6.42%	0.1805	2.96%
009	Fiber, Neutral Detergent (%)	54	54	18.94	1.172	18.89	1.024	0.1741	5.42%	0.3958	2.30%
010	Moisture (%)	22	22	10.55	0.7202	10.50	0.6508	0.1734	6.20%	0.1335	2.81%
011	Loss on Drying, HT (%)	65	64	11.80	0.8570	11.92	0.6424	0.1004	5.39%	0.1361	2.75%
012	Starch (%)	40	39	27.55	2.003	27.38	1.639	0.3281	5.99%	0.3904	1.91%
013	Fat, Pretreat (%)	51	50	4.561	0.7160	4.580	0.5996	0.1060	13.09%	0.1188	3.18%
014	Fiber, Total Dietary (%)	3	3	23.35	1.612	23.35	1.612	0.9305	6.90%	0.5200	2.07%
015	Aluminum (ppm)	12	12	50.48	15.42	50.48	17.49	6.310	34.64%	2.073	8.87%
017	Boron (ppm)	14	13	7.895	0.8036	7.842	0.7807	0.2706	9.95%	0.4903	11.73%
019	Calcium (%)	117	116	1.144	0.0802	1.141	0.0587	0.0068	5.14%	0.0270	3.92%
021	Cobalt (ppm)	15	14	1.176	0.2684	1.204	0.2260	0.0755	18.76%	0.0835	15.56%
022	Copper (ppm)	84	83	23.66	2.553	23.81	1.822	0.2499	7.65%	1.076	9.93%
024	Iodine (ppm)	1	1	1.276							
025	Iron (ppm)	80	77	205.2	14.29	204.7	12.44	1.772	6.08%	5.007	7.18%
027	Magnesium (%)	85	84	0.2808	0.0141	0.2811	0.0133	0.0018	4.71%	0.0071	4.84%
028	Manganese (ppm)	82	81	136.8	7.852	137.1	6.563	0.9116	4.79%	2.637	7.63%
030	Nitrate (%)	1		0.0001							
031	Phosphorus (%)	112	108	0.7258	0.0371	0.7251	0.0340	0.0041	4.69%	0.0146	4.20%
032	Potassium (%)	87	85	1.173	0.0639	1.173	0.0570	0.0077	4.86%	0.0264	3.90%
033	Salt as chloride (%)	57	55	0.9647	0.0480	0.9695	0.0379	0.0064	3.91%	0.0218	4.02%
034	Selenium, Total (Se) (ppm)	22	19	0.8450	0.4313	0.7651	0.0972	0.0279	12.70%	0.0354	16.65%
035	Sodium (%)	85	83	0.3844	0.0192	0.3842	0.0184	0.0025	4.80%	0.0099	4.62%
036	Sulfur (%)	48	46	0.3187	0.0187	0.3185	0.0184	0.0034	5.78%	0.0092	4.75%

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037	Zinc (ppm)	82	80	152.8	17.02	152.0	12.68	1.772	8.34%	4.124	7.51%
038	Molybdenum (ppm)	21	19	1.230	0.2055	1.242	0.1763	0.0506	14.20%	0.0735	15.48%
040	Barium (ppm)	1	1	9.732							
042	Chloride (%)	9	8	0.6123	0.0188	0.6123	0.0213	0.0094	3.47%	0.0081	4.31%
101	Choline Chloride (ppm)	1	1	2,015							
102	Niacin (ppm)	2	2	92.28	36.38						
103	Pantothenic Acid (ppm)	1	1	35.15							
104	Riboflavin (ppm)	3	3	12.49	2.018	12.49	2.018	1.165	16.16%	0.6950	10.94%
105	Thiamine (ppm)	2	2	4.333	1.368						
106	Vitamin A (KU / kg)	13	10	4.838	3.131	4.545	2.818	1.114	62.02%	0.4747	
108	Vitamin D3 (KU / kg)	6	5	2.941	0.1464	2.941	0.1464	0.0819	4.98%	0.3274	
109	Vitamin E (IU / kg)	13	12	120.0	16.89	121.7	14.72	5.313	12.10%	2.200	
111	Vitamin C, Phosphorylated (ppm)	1		4.400							
112	Pyridoxine (µg / g)	2	2	4.550	0.9829						
113	Folic Acid (ppm)	2	2	1.635	0.2899						
114	Biotin (ppm)	1	1	0.3805							
115	Non Protein N (NPN) (%)	2	2	1.487	1.284						
120	Alanine (%)	28	28	0.8936	0.0298	0.8949	0.0301	0.0071	3.36%	0.0133	4.07%
121	Arginine (%)	28	28	1.083	0.0694	1.091	0.0518	0.0122	4.75%	0.0260	3.95%
122	Aspartic (%)	28	28	1.616	0.0800	1.612	0.0720	0.0170	4.47%	0.0228	3.72%
124	Cysteine/Cystine (%)	26	25	0.3082	0.0231	0.3086	0.0245	0.0061	7.95%	0.0089	4.77%
125	Glutamic (%)	28	27	3.321	0.1658	3.313	0.1332	0.0321	4.02%	0.0349	3.34%
126	Glycine (%)	28	27	0.8002	0.0309	0.8016	0.0315	0.0076	3.93%	0.0112	4.14%
127	Histidine (%)	28	26	0.4400	0.0255	0.4392	0.0193	0.0047	4.39%	0.0086	4.53%
128	Isoleucine (%)	28	27	0.6526	0.0836	0.6637	0.0498	0.0120	7.50%	0.0134	4.25%
129	Leucine (%)	28	26	1.361	0.0568	1.365	0.0487	0.0119	3.57%	0.0137	3.82%
130	L-Lysine (%)	28	27	0.7149	0.0943	0.7282	0.0536	0.0129	7.37%	0.0135	4.20%
131	Methionine (%)	27	26	0.2672	0.0221	0.2666	0.0135	0.0033	5.05%	0.0098	4.88%
132	Phenylalanine (%)	28	28	0.8190	0.0513	0.8160	0.0359	0.0085	4.40%	0.0153	4.12%
133	Proline (%)	27	27	1.068	0.0604	1.075	0.0384	0.0092	3.57%	0.0159	3.96%
134	Serine (%)	28	28	0.8382	0.0578	0.8413	0.0492	0.0116	5.84%	0.0216	4.11%
135	Threonine (%)	28	28	0.6380	0.0346	0.6396	0.0202	0.0048	3.16%	0.0136	4.28%
136	Tryptophan (%)	20	19	0.2211	0.0286	0.2170	0.0185	0.0053	8.52%	0.0063	5.03%
137	Tyrosine (%)	25	24	0.5395	0.0428	0.5409	0.0439	0.0112	8.12%	0.0158	4.39%
138	Valine (%)	28	27	0.8229	0.0547	0.8257	0.0533	0.0128	6.45%	0.0161	4.12%
139	Taurine (%)	5	2	0.6873	0.6325	0.6873	0.6325	0.4473	92.03%	0.0395	4.23%
160	Fructose (%)	3	3	1.585	0.0841	1.585	0.0841	0.0486	5.31%	0.1500	3.73%
161	Galactose (%)	2	1	0.0600							
162	Glucose (%)	3	3	0.9417	0.0967	0.9417	0.0967	0.0559	10.27%	0.0367	4.04%
163	Lactose (%)	3	1								

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164	Maltose (%)	3	2	0.5525	0.0743	0.5525	0.0743	0.0525	13.44%	0.0250	4.37%
165	Sucrose (%)	3	3	1.105	0.0522	1.105	0.0522	0.0301	4.72%	0.0250	3.94%
166	Raffinose (%)	3	3	0.2933	0.1077	0.2933	0.1077	0.0622	36.73%	0.0267	4.81%
167	Stachyose (%)	3	3	0.7167	0.0425	0.7167	0.0425	0.0245	5.93%	0.0200	4.21%
354	Decoquinatate (ppm)	16	16	31.70	2.063	31.86	1.725	0.5390	5.41%	1.277	9.50%
400	Water Activity (Units)	19	19	0.5705	0.0294	0.5737	0.0257	0.0074	4.48%	0.0070	
516	Arsenic, Total (As) (ppm)	6	5	0.0675	0.0093	0.0675	0.0093	0.0052	13.70%	0.0051	22.00%
518	Cadmium (ppm)	6	6	0.0902	0.0088	0.0902	0.0100	0.0051	11.04%	0.0042	22.00%
520	Chromium, Total (Cr) (ppm)	9	9	4.341	1.177	4.341	1.335	0.5561	30.75%	0.2084	12.83%
526	Lead (ppm)	6	3	0.0680	0.0102	0.0680	0.0102	0.0074	15.05%	0.0099	22.00%
529	Mercury (ppb)	3	1								
539	Nickel (ppm)	4	4	2.825	0.6926	2.825	0.6926	0.3463	24.52%	0.0335	13.68%
706	Caprylic acid (8:0) (% (w/w))	1		0.0500							
708	Capric acid (10:0) (% (w/w))	1	1	0.1300							
710	Lauric Acid (12:0) (% (w/w))	2		0.0050							
714	Myristic Acid (14:0) (% (w/w))	2	2	0.0782	0.1015						
716	Palmitic Acid (16:0) (% (w/w))	2	2	7.910	10.30						
718	Palmitoleic Acid (9c-16:1) (% (w/w))	2	2	0.1149	0.1487						
722	Stearic Acid (18:0) (% (w/w))	2	2	1.447	1.885						
724	Oleic Acid (9c-18:1) (% (w/w))	2	2	11.96	15.61						
726	Linoleic Acid (9c,12c-18:2) (% (w/w))	2	2	25.59	33.37						
728	alpha-Linolenic Acid (9c,12c,15c-18:3) (% (w/w))	2	2	1.633	2.132						
730	Arachidic Acid (20:0) (% (w/w))	2	2	0.1610	0.2107						
732	Gondoic Acid (11c-20:1) (% (w/w))	1	1	0.0180							
740	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5) (% (w/w))	2	1	0.0900							
742	Behenic Acid (22:0) (% (w/w))	2	2	0.1293	0.1707						
744	Erucic Acid (13c-22:1) (% (w/w))	2	1	0.1400							
746	Docosapentaenoic Acid n-3 DPA (7c,10c,13c,16c,19c-22:5) (% (w/w))	2		0.0050							
748	Lignoceric Acid (24:0) (% (w/w))	2	2	0.1048	0.1346						
750	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6) (% (w/w))	2		0.0050							
752	Nervonic Acid (24:1) isomers (% (w/w))	1		0.0050							
754	Total n-3 Polyunsaturated (Omega-3) Fatty Acids (% (w/w))	1	1	0.1400							
756	Total n-6 Polyunsaturated (Omega-6) Fatty Acids (% (w/w))	1	1	2.120							
758	Total Saturated Fatty Acids (% (w/w))	1	1	19.26							
762	Total Monounsaturated Fatty Acids (% (w/w))	1	1	23.96							
766	Total Polyunsaturated Fatty Acids (% (w/w))	1	1	52.49							
772	Total Fatty Acids (% (w/w))	1	1	3.853							

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.

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