



AAFCO
Association of American Feed Control Officials



Pet Food Ingredient Scheme

Soybean Meal

Test Material Code # 202544

Analyte Summary Report

Labs Reporting: 93

Analytes Reported: 67

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 (%)	55	54	9.389	0.5173	9.480	0.1894	0.0322	2.00%	0.1161	2.85%
002	Protein, Crude (%)	90	88	47.47	0.9718	47.62	0.3936	0.0524	0.83%	0.2470	1.45%
003	Fat, Crude (%)	74	72	1.863	0.3703	1.814	0.2026	0.0299	11.17%	0.0799	3.66%
004	Fiber, Crude (%)	34	34	3.934	0.5010	3.924	0.3944	0.0845	10.05%	0.1566	3.26%
005	Ash (%)	76	75	5.951	0.2642	5.944	0.2079	0.0300	3.50%	0.0901	3.06%
006	Total Sugars (%)	1	1	10.78							
008	Fiber, Acid Detergent (%)	15	14	6.267	2.072	5.814	1.219	0.4071	20.96%	0.4568	3.07%
009	Fiber, Neutral Detergent (%)	10	10	9.422	3.225	8.640	1.240	0.4902	14.35%	0.3166	2.89%
010	Moisture (%)	4	4	9.368	0.8267	9.368	0.8267	0.4134	8.82%	0.1280	2.86%
011	Loss on Drying, HT (%)	22	21	9.924	0.3138	9.940	0.2903	0.0792	2.92%	0.1237	2.83%
012	Starch (%)	5	4	2.212	2.526	2.212	2.526	1.263	114.22%	0.0268	3.55%
013	Fat, Pretreat (%)	23	23	3.093	0.6906	3.165	0.6161	0.1606	19.47%	0.1853	3.36%
015	Aluminum (ppm)	3	3	208.1	38.01	208.1	38.01	21.95	18.26%	31.79	7.16%
017	Boron (ppm)	2	2	29.64	3.338						
019	Calcium (%)	72	71	0.2795	0.0188	0.2797	0.0099	0.0015	3.55%	0.0115	4.85%
021	Cobalt (ppm)	4	4	0.4382	0.1744	0.4382	0.1744	0.0872	39.79%	0.0750	18.11%
022	Copper (ppm)	54	53	13.86	3.819	13.35	0.9650	0.1657	7.23%	0.4320	10.83%
025	Iron (ppm)	21	20	124.1	9.878	124.0	10.76	3.008	8.68%	4.975	7.74%
027	Magnesium (%)	68	67	0.2855	0.2365	0.2566	0.0096	0.0015	3.76%	0.0063	4.91%
028	Manganese (ppm)	59	57	31.28	1.338	31.12	0.9204	0.1524	2.96%	0.6477	9.54%
031	Phosphorus (%)	73	72	0.6051	0.0336	0.6032	0.0274	0.0040	4.55%	0.0152	4.32%
032	Potassium (%)	70	69	2.186	0.1030	2.186	0.0923	0.0139	4.22%	0.0663	3.56%
033	Salt as chloride (%)	5	4	0.1070	0.0300	0.1070	0.0300	0.0150	28.08%		5.60%
034	Selenium, Total (Se) (ppm)	5	4	0.2214	0.0278	0.2214	0.0278	0.0139	12.54%	0.0613	20.07%
035	Sodium (%)	65	64	0.0299	0.0063	0.0290	0.0035	0.0006	12.15%	0.0026	6.81%
036	Sulfur (%)	9	9	0.3820	0.0308	0.3811	0.0329	0.0137	8.65%	0.0125	4.62%
037	Zinc (ppm)	59	58	46.98	2.826	46.74	2.126	0.3490	4.55%	1.002	8.97%
038	Molybdenum (ppm)	5	5	8.171	0.8334	8.171	0.8334	0.3727	10.20%	0.3941	11.66%
040	Barium (ppm)	1	1	3.722							

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042	Chloride (%)	1	1	0.0692							
101	Choline Chloride (ppm)	1	1	3,275							
102	Niacin (ppm)	1	1	32.25							
103	Pantothenic Acid (ppm)	1	1	11.35							
104	Riboflavin (ppm)	2	2	3.223	0.9581						
105	Thiamine (ppm)	2	2	5.550	1.273						
106	Vitamin A (KU / kg)	2		0.3000							
108	Vitamin D3 (KU / kg)	1		0.0520							
109	Vitamin E (IU / kg)	2	2	15.99	17.69						
112	Pyridoxine (µg / g)	1	1	6.115							
113	Folic Acid (ppm)	1	1	2.730							
114	Biotin (ppm)	1	1	0.1345							
120	Alanine (%)	7	7	2.113	0.0983	2.113	0.1114	0.0526	5.27%	0.0228	3.57%
121	Arginine (%)	7	7	3.406	0.0949	3.404	0.1012	0.0478	2.97%	0.1040	3.33%
122	Aspartic (%)	7	7	5.467	0.1639	5.453	0.1515	0.0716	2.78%	0.0950	3.10%
124	Cysteine/Cystine (%)	7	6	0.6375	0.0928	0.6375	0.1052	0.0537	16.51%	0.0207	4.28%
125	Glutamic (%)	7	7	8.954	0.4480	8.954	0.5080	0.2400	5.67%	0.1920	2.88%
126	Glycine (%)	7	7	2.059	0.1242	2.032	0.0694	0.0328	3.42%	0.0327	3.59%
127	Histidine (%)	7	7	1.239	0.0396	1.239	0.0449	0.0212	3.63%	0.0234	3.87%
128	Isoleucine (%)	7	7	2.151	0.1581	2.151	0.1793	0.0847	8.34%	0.0506	3.56%
129	Leucine (%)	7	7	3.657	0.1818	3.668	0.1796	0.0848	4.90%	0.0460	3.29%
130	L-Lysine (%)	7	7	2.995	0.1401	2.995	0.1589	0.0751	5.30%	0.0530	3.39%
131	Methionine (%)	7	7	0.6609	0.0911	0.6594	0.1000	0.0473	15.17%	0.0490	4.26%
132	Phenylalanine (%)	7	7	2.463	0.1544	2.451	0.1465	0.0692	5.98%	0.0477	3.49%
133	Proline (%)	7	6	2.523	0.1521	2.496	0.1050	0.0536	4.21%	0.0138	3.49%
134	Serine (%)	7	7	2.413	0.1623	2.433	0.1337	0.0632	5.49%	0.0936	3.50%
135	Threonine (%)	7	7	1.891	0.0574	1.895	0.0497	0.0235	2.62%	0.0545	3.63%
136	Tryptophan (%)	5	5	0.6408	0.1554	0.6408	0.1554	0.0695	24.25%	0.0244	4.28%
137	Tyrosine (%)	7	7	1.540	0.1899	1.553	0.1846	0.0872	11.89%	0.0497	3.74%
138	Valine (%)	7	7	2.239	0.1405	2.239	0.1593	0.0753	7.11%	0.0504	3.54%
139	Taurine (%)	2	1	0.1900							
400	Water Activity (Units)	2	2	0.5345	0.0113						
516	Arsenic, Total (As) (ppm)	2	2	0.0388	0.0018						
518	Cadmium (ppm)	3	3	0.0698	0.0030	0.0698	0.0030	0.0017	4.24%	0.0048	22.00%
520	Chromium, Total (Cr) (ppm)	4	4	1.311	0.1777	1.311	0.1777	0.0888	13.55%	0.0390	15.36%
526	Lead (ppm)	3	3	0.0751	0.0038	0.0751	0.0038	0.0022	5.03%	0.0039	22.00%
529	Mercury (ppb)	1		0.0050							
539	Nickel (ppm)	1	1	4.180							

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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