



**AAFCO**  
Association of American Feed Control Officials



**Pet Food Ingredient Scheme**

**Corn**

**Test Material Code # 202342**

**Analyte Summary Report**

**# Labs Reporting: 84**

**# Analytes Reported: 73**

**Issue Date : 06/30/2023**

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
001	Loss on Drying (%)	61	<b>60</b>	12.53	0.3691	<b>12.56</b>	0.2583	0.0417	2.06%	0.1032	2.73%
002	Protein, Crude (%)	89	<b>86</b>	7.503	0.2350	<b>7.509</b>	0.1697	0.0229	2.26%	0.0962	2.95%
003	Fat, Crude (%)	53	<b>51</b>	3.245	0.3269	<b>3.205</b>	0.1498	0.0262	4.67%	0.1076	3.36%
004	Fiber, Crude (%)	33	<b>33</b>	1.483	0.4823	<b>1.530</b>	0.4139	0.0901	27.06%	0.1349	3.75%
005	Ash (%)	75	<b>73</b>	1.129	0.0669	<b>1.131</b>	0.0510	0.0075	4.51%	0.0386	3.93%
006	Total Sugars (%)	2	2	1.981	0.2843						
008	Fiber, Acid Detergent (%)	14	<b>13</b>	2.308	0.3513	<b>2.279</b>	0.3237	0.1122	14.21%	0.1049	3.53%
009	Fiber, Neutral Detergent (%)	10	<b>9</b>	7.708	1.889	<b>7.181</b>	0.4238	0.1766	5.90%	0.2006	2.97%
010	Moisture (%)	1	1	12.77							
011	Loss on Drying, HT (%)	23	<b>21</b>	13.04	0.5218	<b>13.10</b>	0.4318	0.1178	3.30%	0.0924	2.72%
012	Starch (%)	10	<b>10</b>	64.68	2.915	<b>64.68</b>	3.306	1.307	5.11%	0.5602	1.24%
013	Fat, Pretreat (%)	26	<b>25</b>	3.756	0.3226	<b>3.780</b>	0.2983	0.0746	7.89%	0.1344	3.27%
015	Aluminum (ppm)	3	3	1.215	0.8888	1.215	0.8888	0.5131	73.18%	0.5194	15.54%
017	Boron (ppm)	5	5	1.432	0.4644	1.432	0.4644	0.2077	32.42%	0.0885	15.15%
019	Calcium (%)	61	<b>35</b>	0.0078	0.0057	<b>0.0069</b>	0.0037	0.0008	54.20%	0.0005	8.46%
021	Cobalt (ppm)	6	4	0.1487	0.1042	0.1487	0.1042	0.0651	70.06%	0.0190	21.31%
022	Copper (ppm)	39	<b>34</b>	1.586	0.5928	<b>1.637</b>	0.3805	0.0816	23.24%	0.1101	14.85%
025	Iron (ppm)	24	<b>23</b>	17.63	5.740	<b>17.65</b>	3.916	1.021	22.19%	1.293	10.38%
027	Magnesium (%)	59	<b>58</b>	0.0734	0.0198	<b>0.0709</b>	0.0054	0.0009	7.65%	0.0027	5.96%
028	Manganese (ppm)	54	<b>52</b>	5.619	0.9602	<b>5.732</b>	0.5109	0.0886	8.91%	0.2394	12.30%
031	Phosphorus (%)	67	<b>65</b>	0.2537	0.0479	<b>0.2478</b>	0.0193	0.0030	7.80%	0.0109	4.93%
032	Potassium (%)	66	<b>63</b>	0.3040	0.0230	<b>0.3041</b>	0.0213	0.0034	7.00%	0.0127	4.78%
033	Salt as chloride (%)	8	5	0.0724	0.0134	0.0724	0.0134	0.0075	18.55%		5.94%
034	Selenium, Total (Se) (ppm)	3	2	0.0657	0.0081	0.0657	0.0081	0.0057	12.32%	0.0086	22.00%
035	Sodium (%)	53	<b>36</b>	0.0077	0.0065	<b>0.0069</b>	0.0056	0.0012	81.14%	0.0029	8.45%
036	Sulfur (%)	12	<b>11</b>	0.1032	0.0162	<b>0.0994</b>	0.0060	0.0023	6.07%	0.0036	5.66%
037	Zinc (ppm)	44	<b>42</b>	17.92	5.481	<b>18.62</b>	3.778	0.7288	20.29%	0.9119	10.30%
038	Molybdenum (ppm)	6	4	0.1242	0.0076	0.1242	0.0076	0.0045	6.11%	0.0113	21.90%
040	Barium (ppm)	1	1	0.1894							

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
041	Vanadium (ppm)	1	1	0.0105							
115	Non Protein N (NPN) (%)	1	1	0.1300							
120	Alanine (%)	9	9	0.5562	0.0356	<b>0.5563</b>	0.0402	0.0167	7.22%	0.0246	4.37%
121	Arginine (%)	9	9	0.3581	0.0217	<b>0.3581</b>	0.0246	0.0102	6.86%	0.0161	4.67%
122	Aspartic (%)	9	9	0.4930	0.0352	<b>0.4930</b>	0.0399	0.0166	8.10%	0.0234	4.45%
124	Cysteine/Cystine (%)	9	8	0.2050	0.0268	<b>0.2050</b>	0.0304	0.0134	14.82%	0.0135	5.08%
125	Glutamic (%)	9	9	1.446	0.1039	<b>1.438</b>	0.0986	0.0411	6.86%	0.0713	3.79%
126	Glycine (%)	9	9	0.3103	0.0235	<b>0.3096</b>	0.0251	0.0105	8.11%	0.0149	4.77%
127	Histidine (%)	9	8	0.2150	0.0499	<b>0.2147</b>	0.0252	0.0112	11.76%	0.0042	5.04%
128	Isoleucine (%)	9	8	0.2661	0.0161	<b>0.2661</b>	0.0183	0.0081	6.87%	0.0070	4.88%
129	Leucine (%)	9	8	0.9029	0.0484	<b>0.9029</b>	0.0548	0.0242	6.07%	0.0384	4.06%
130	L-Lysine (%)	9	9	0.2398	0.0195	<b>0.2398</b>	0.0221	0.0092	9.23%	0.0097	4.96%
131	Methionine (%)	9	8	0.1874	0.0242	<b>0.1857</b>	0.0233	0.0103	12.57%	0.0100	5.15%
132	Phenylalanine (%)	9	8	0.3596	0.0299	<b>0.3622</b>	0.0277	0.0123	7.66%	0.0110	4.66%
133	Proline (%)	9	9	0.6831	0.0569	<b>0.6856</b>	0.0587	0.0245	8.56%	0.0367	4.23%
134	Serine (%)	9	9	0.3687	0.0417	<b>0.3738</b>	0.0224	0.0093	6.00%	0.0260	4.64%
135	Threonine (%)	9	9	0.2667	0.0257	<b>0.2699</b>	0.0209	0.0087	7.75%	0.0112	4.87%
136	Tryptophan (%)	8	7	0.0779	0.0426	<b>0.0659</b>	0.0150	0.0071	22.80%	0.0076	6.02%
137	Tyrosine (%)	9	8	0.2273	0.0686	<b>0.2273</b>	0.0778	0.0344	34.22%	0.0442	5.00%
138	Valine (%)	9	8	0.3825	0.0298	<b>0.3825</b>	0.0338	0.0149	8.84%	0.0125	4.62%
139	Taurine (%)	2	2	0.0805	0.1124						
400	Water Activity (Units)	1	1	0.5823							
413	Starch, Resistant (%)	1	1	63.15							
516	Arsenic, Total (As) (ppm)	3	1								
518	Cadmium (ppm)	5	3	0.0123	0.0080	0.0123	0.0080	0.0046	65.20%	0.0069	22.00%
520	Chromium, Total (Cr) (ppm)	5	3	0.2235	0.1472	0.2235	0.1472	0.0850	65.83%	0.0136	20.04%
526	Lead (ppm)	4	3	0.0973	0.1311	0.0973	0.1311	0.0757	134.79%	0.0257	22.00%
529	Mercury (ppb)	2	1	1.056							
539	Nickel (ppm)	4	3	0.4969	0.0444	0.4969	0.0444	0.0256	8.93%	0.0387	17.77%
710	Lauric Acid (12:0) (%) (w/w)	1		0.0200							
714	Myristic Acid (14:0) (%) (w/w)	1		0.0200							
716	Palmitic Acid (16:0) (%) (w/w)	1	1	0.2945							
718	Palmitoleic Acid (9c-16:1) (%) (w/w)	1		0.0200							
724	Oleic Acid (9c-18:1) (%) (w/w)	1	1	0.8555							
726	Linoleic Acid (9c,12c-18:2) (%) (w/w)	1	1	1.641							
728	alpha-Linolenic Acid (9c,12c,15c-18:3) (%) (w/w)	1	1	0.0360							
742	Behenic Acid (22:0) (%) (w/w)	1		0.0200							
754	Total n-3 Polyunsaturated (Omega-3) Fatty Acids (%) (w/w)	1	1	0.0360							
756	Total n-6 Polyunsaturated (Omega-6) Fatty Acids (%) (w/w)	1	1	1.641							
758	Total Saturated Fatty Acids (%) (w/w)	1	1	0.3695							

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	0.8930							
766	Total Polyunsaturated Fatty Acids (% (w/w))	1	1	1.677							
770	Total Fat (equivalent to NLEA) (% (w/w))	1	1	3.076							
772	Total Fatty Acids (% (w/w))	1	1	2.942							

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.