



**AAFCO**  
Proficiency Testing Program



**Pet Food Ingredient Scheme**

**Wheat Bran**

**Test Material Code # 201943**

**Analyte Summary Report**

**# Labs Reporting: 59**

**# Analytes Reported: 87**

**Issue Date : 09/30/2019**

Analyte Group Code	Analyte and Method	Total # Tests Submitted	# Tests in Robust Calcs	Raw Mean	Raw SD	Assigned Value Robust Mean	AAFCO PT ffp - Robust sd	Uncertainty (U) Robust	% RSD - Robust	Average Range (R-bar)	Horwitz %RSD
001	Loss on Drying (%)	26	26	9.698	0.4504	9.727	0.3556	0.0872	3.66%	0.1320	2.84%
002	Protein, Crude (%)	61	59	18.53	1.425	18.78	0.4379	0.0713	2.33%	0.1795	2.31%
003	Fat, Crude (%)	40	40	3.708	0.8474	3.564	0.3370	0.0666	9.46%	0.2084	3.30%
004	Fiber, Crude (%)	33	32	9.401	1.054	9.552	0.7603	0.1680	7.96%	0.2771	2.85%
005	Ash (%)	47	44	4.664	0.0890	4.667	0.0819	0.0154	1.76%	0.0725	3.17%
006	Total Sugars (%)	2	2	4.967	2.145						
008	Fiber, Acid Detergent (%)	11	11	12.31	1.540	12.19	0.7115	0.2682	5.84%	0.5031	2.75%
009	Fiber, Neutral Detergent (%)	10	10	37.14	3.610	37.92	1.781	0.7040	4.70%	0.4293	1.62%
010	Moisture (%)	6	6	10.13	0.6214	10.13	0.7047	0.3596	6.96%	0.0817	2.82%
011	Loss on Drying (%)	23	23	10.37	0.6235	10.47	0.3742	0.0975	3.57%	0.3211	2.81%
012	Starch (%)	10	10	15.65	3.575	15.30	3.156	1.247	20.63%	0.5765	2.56%
013	Fat, Acid Pretreat (%)	25	25	5.750	1.314	5.806	1.060	0.2651	18.26%	0.2534	3.07%
014	Fiber, Total Dietary (%)	1	1	40.70							
015	Aluminum (mg / kg (ppm))	8	7	11.12	2.113	11.12	2.396	1.132	21.54%	1.180	11.13%
017	Boron (mg / kg (ppm))	5	4	2.549	0.3805	2.549	0.3805	0.1903	14.93%	0.1582	13.90%
019	Calcium (%)	38	37	0.1421	0.1741	0.1143	0.0099	0.0020	8.65%	0.0056	5.54%
021	Cobalt (mg / kg (ppm))	10	9	0.2021	0.2183	0.1491	0.0899	0.0374	60.27%	0.0201	21.30%
022	Copper (mg / kg (ppm))	30	30	12.27	1.754	12.20	1.434	0.3272	11.75%	0.7897	10.98%
025	Iron (mg / kg (ppm))	28	27	138.4	11.34	138.1	9.554	2.298	6.92%	3.559	7.62%
027	Magnesium (%)	36	35	0.4292	0.0240	0.4282	0.0225	0.0047	5.24%	0.0080	4.54%
028	Manganese (mg / kg (ppm))	30	29	171.0	11.14	171.2	10.79	2.505	6.30%	3.276	7.38%
031	Phosphorus (%)	38	37	0.9063	0.0438	0.9055	0.0451	0.0093	4.98%	0.0171	4.06%
032	Potassium (%)	35	34	1.185	0.0544	1.188	0.0506	0.0108	4.26%	0.0281	3.90%
033	Salt as chloride (%)	8	7	0.0975	0.0133	0.0997	0.0094	0.0044	9.44%	0.0026	5.66%
034	Selenium (mg / kg (ppm))	12	9	0.2208	0.2738	0.1472	0.0835	0.0348	56.74%	0.0738	21.34%
035	Sodium (%)	21	18	0.0095	0.0067	0.0093	0.0072	0.0021	77.45%	0.0023	8.09%
036	Sulfur (%)	13	12	0.2255	0.0210	0.2236	0.0189	0.0068	8.46%	0.0059	5.01%
037	Zinc (mg / kg (ppm))	30	29	83.19	6.274	83.01	6.747	1.566	8.13%	2.192	8.23%
038	Molybdenum (mg / kg (ppm))	10	9	0.4014	0.0586	0.3916	0.0399	0.0166	10.19%	0.0041	18.42%
040	Barium (mg / kg (ppm))	2	2	20.32	1.157						

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041	Vanadium (mg / kg (ppm))	2	2	0.0398	0.0145						
042	Chloride (%)	1	1	0.0605							
101	Choline Chloride (mg / kg (ppm))	1	1	1,720							
102	Niacin (mg / kg (ppm))	2	2	84.18	88.85						
103	Pantothenic Acid (mg / kg (ppm))	2	2	16.33	0.4490						
104	Riboflavin (mg / kg (ppm))	2	2	2.703	0.4349						
105	Thiamine (mg / kg (ppm))	2	2	29.83	29.69						
107	Vitamin B12 (µg / kg (ppb))	1		4.400							
109	Vitamin E (IU / kg)	1	1	29.90							
112	Pyridoxine (µg / g)	2	2	4.990	4.879						
113	Folic Acid (mg / kg (ppm))	1	1	1.400							
120	Alanine (%)	8	7	0.8271	0.0427	0.8271	0.0484	0.0229	5.86%	0.0206	4.12%
121	Arginine (%)	8	7	1.143	0.1852	1.183	0.1049	0.0495	8.86%	0.0273	3.90%
122	Aspartic (%)	8	7	1.187	0.1425	1.223	0.0623	0.0294	5.09%	0.0081	3.88%
124	Cysteine/Cystine (%)	8	8	0.3973	0.0640	0.3968	0.0715	0.0316	18.02%	0.0079	4.60%
125	Glutamic (%)	8	7	3.843	0.4792	3.952	0.2539	0.1199	6.42%	0.0573	3.25%
126	Glycine (%)	8	7	0.8566	0.2524	0.9396	0.0474	0.0224	5.05%	0.0144	4.04%
127	Histidine (%)	8	7	0.4731	0.0960	0.4825	0.0861	0.0407	17.83%	0.0169	4.46%
128	Isoleucine (%)	8	7	0.5622	0.0391	0.5622	0.0444	0.0210	7.89%	0.0163	4.36%
129	Leucine (%)	8	7	1.047	0.1891	1.103	0.0561	0.0265	5.09%	0.0137	3.94%
130	L-Lysine (%)	8	7	0.8209	0.2554	0.7419	0.0656	0.0310	8.84%	0.0268	4.18%
131	Methionine (%)	8	7	0.2831	0.0274	0.2821	0.0286	0.0135	10.14%	0.0041	4.84%
132	Phenylalanine (%)	8	7	0.7260	0.0611	0.7452	0.0145	0.0068	1.94%	0.0091	4.18%
133	Proline (%)	8	7	1.249	0.0709	1.255	0.0671	0.0317	5.35%	0.0459	3.87%
134	Serine (%)	8	8	0.7562	0.1020	0.7562	0.1156	0.0511	15.29%	0.0290	4.17%
135	Threonine (%)	8	7	0.5821	0.0567	0.5924	0.0380	0.0179	6.41%	0.0094	4.33%
136	Tryptophan (%)	8	8	0.2630	0.0745	0.2652	0.0796	0.0352	30.01%	0.0173	4.88%
137	Tyrosine (%)	7	7	0.4211	0.1302	0.4245	0.1398	0.0660	32.93%	0.0172	4.55%
138	Valine (%)	8	7	0.7976	0.1099	0.8232	0.0563	0.0266	6.83%	0.0220	4.12%
139	Taurine (%)	2	2	0.0543	0.0647						
160	Fructose (%)	2	1	0.0501							
162	Glucose (%)	2	1	0.0710							
163	Lactose (%)	2		0.0000							
164	Maltose (%)	2	1	0.9000							
165	Sucrose (%)	3	3	2.348	0.1748	2.348	0.1748	0.1009	7.44%	0.1833	3.52%
166	Raffinose (%)	1	1	1.370							
167	Stachyose (%)	1	1	0.6925							
400	Water Activity (Units)	2	2	0.5110	0.0071						
516	Arsenic, Total (mg / kg (ppm))	7	6	0.2747	0.5657	0.0710	0.0888	0.0453	124.99%	0.0578	22.00%
518	Cadmium (mg / kg (ppm))	7	6	0.0416	0.0055	0.0415	0.0061	0.0031	14.58%	0.0041	22.00%

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520	Chromium (mg / kg (ppm))	7	6	0.3933	0.2615	0.3933	0.2965	0.1513	75.40%	0.0341	18.41%
526	Lead (mg / kg (ppm))	6	3	0.0547	0.0722	0.0547	0.0722	0.0521	131.95%	0.0114	22.00%
529	Mercury (µg / kg (ppb))	1	1	1,786							
539	Nickel (mg / kg (ppm))	6	6	1.203	0.2064	1.166	0.1419	0.0724	12.17%	0.2708	15.63%
710	Lauric Acid (12:0) (% (w/w))	1		0.0100							
714	Myristic Acid (14:0) (% (w/w))	1	1	0.0100							
716	Palmitic Acid (16:0) (% (w/w))	1	1	0.6600							
718	Palmitoleic Acid (9c-16:1) (% (w/w))	1		0.0100							
722	Stearic Acid (18:0) (% (w/w))	1	1	0.0600							
724	Oleic Acid (9c-18:1) (% (w/w))	1	1	0.8450							
726	Linoleic Acid (9c,12c-18:2) (% (w/w))	1	1	2.295							
728	alpha-Linolenic Acid (9c,12c,15c-18:3) (% (w/w))	1	1	0.1550							
740	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5) (% (w/w))	1		0.0100							
750	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6) (% (w/w))	1		0.0100							
754	Total n-3 Polyunsaturated (Omega-3) Fatty Acids (% (w/w))	1	1	0.1700							
756	Total n-6 Polyunsaturated (Omega-6) Fatty Acids (% (w/w))	1	1	2.305							
772	Total Fatty Acids (% (w/w))	1	1	4.075							

Notes: Robust statistics not used if &lt; 6 labs reporting, in this case means and SD's may be reported based on Raw Data with obvious blunders removed.