

Pet Food Ingredient Scheme
Soybean Hulls
Test Material Code # 201941
Labs Reporting: 56
Analyte Summary Report
Analytes Reported: 82
Issue Date : 03/31/2019

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
000	Urea (%)	1	1	0.0965							
001	Loss on Drying (%)	28	27	8.682	0.5542	8.672	0.3856	0.0928	4.45%	0.1523	2.89%
002	Protein, Crude (%)	59	58	10.20	0.5129	10.20	0.3346	0.0549	3.28%	0.1800	2.82%
003	Fat, Crude (%)	38	36	1.087	0.2677	1.082	0.2501	0.0521	23.11%	0.1297	3.95%
004	Fiber, Crude (%)	30	29	36.71	1.836	36.75	1.208	0.2804	3.29%	0.3179	1.65%
005	Ash (%)	49	48	4.472	0.1446	4.475	0.1182	0.0213	2.64%	0.0590	3.19%
006	Total Sugars (%)	1	1	2.177							
007	Urease (%)	1	1	0.2850							
008	Fiber, Acid Detergent (%)	11	11	45.41	1.321	45.45	1.407	0.5305	3.10%	0.8292	1.48%
009	Fiber, Neutral Detergent (%)	11	11	60.57	2.006	60.26	1.394	0.5256	2.31%	0.6045	1.29%
010	Moisture (%)	5	5	9.098	0.4882	9.098	0.4882	0.2183	5.37%	0.1690	2.87%
011	Loss on Drying (%)	23	23	9.236	0.3179	9.280	0.2287	0.0596	2.46%	0.1353	2.86%
012	Starch (%)	9	9	1.367	1.850	0.9124	1.016	0.4232	111.31%	0.1114	4.06%
013	Fat, Acid Pretreat (%)	23	22	2.116	0.4993	2.127	0.4823	0.1285	22.67%	0.1230	3.57%
015	Aluminum (mg / kg (ppm))	6	6	98.86	30.39	94.09	22.64	11.56	24.06%	8.403	8.07%
017	Boron (mg / kg (ppm))	4	4	20.14	1.476	20.14	1.476	0.7378	7.33%	0.2766	10.18%
019	Calcium (%)	39	38	0.5790	0.0454	0.5751	0.0419	0.0085	7.28%	0.0141	4.35%
021	Cobalt (mg / kg (ppm))	12	11	0.6769	0.1761	0.6810	0.1906	0.0718	27.98%	0.0964	16.95%
022	Copper (mg / kg (ppm))	30	30	8.555	1.997	8.869	1.188	0.2711	13.39%	0.3525	11.52%
025	Iron (mg / kg (ppm))	30	30	409.6	34.77	410.4	23.39	5.339	5.70%	12.42	6.47%
027	Magnesium (%)	39	38	0.2507	0.0181	0.2508	0.0166	0.0034	6.63%	0.0072	4.93%
028	Manganese (mg / kg (ppm))	31	30	24.53	2.711	24.80	2.271	0.5183	9.16%	1.235	9.87%
031	Phosphorus (%)	41	41	0.1113	0.0215	0.1096	0.0065	0.0013	5.96%	0.0034	5.58%
032	Potassium (%)	39	39	1.251	0.1004	1.262	0.0833	0.0167	6.60%	0.0395	3.86%
033	Salt as chloride (%)	8	6	0.0546	0.0160	0.0544	0.0178	0.0091	32.69%	0.0085	6.20%
034	Selenium (mg / kg (ppm))	6	3	0.4591	0.5800	0.4591	0.5800	0.4186	126.33%	0.0125	17.99%
035	Sodium (%)	35	34	0.0317	0.0065	0.0313	0.0051	0.0011	16.17%	0.0026	6.74%
036	Sulfur (%)	16	16	0.1185	0.0126	0.1174	0.0097	0.0030	8.26%	0.0047	5.52%
037	Zinc (mg / kg (ppm))	32	32	61.59	5.700	61.44	4.913	1.086	8.00%	1.990	8.61%
038	Molybdenum (mg / kg (ppm))	6	6	0.3321	0.0848	0.3110	0.0419	0.0214	13.46%	0.0196	19.07%

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040	Barium (mg / kg (ppm))	1	1	4.102							
041	Vanadium (mg / kg (ppm))	1	1	0.1575							
042	Chloride (%)	1	1	0.0300							
102	Niacin (mg / kg (ppm))	1	1	17.63							
103	Pantothenic Acid (mg / kg (ppm))	1	1	40.81							
104	Riboflavin (mg / kg (ppm))	1	1	0.4350							
105	Thiamine (mg / kg (ppm))	1	1	1.925							
112	Pyridoxine (µg / g)	1		2.500							
120	Alanine (%)	7	7	0.4020	0.0206	0.4026	0.0221	0.0105	5.50%	0.0050	4.59%
121	Arginine (%)	7	7	0.4466	0.0360	0.4432	0.0326	0.0154	7.35%	0.0090	4.52%
122	Aspartic (%)	7	7	0.8737	0.0418	0.8737	0.0474	0.0224	5.43%	0.0150	4.08%
124	Cysteine/Cystine (%)	6	6	0.2379	0.1493	0.2186	0.1218	0.0622	55.72%	0.0238	5.03%
125	Glutamic (%)	7	7	1.011	0.0726	1.011	0.0820	0.0387	8.11%	0.0221	3.99%
126	Glycine (%)	6	6	0.7741	0.0514	0.7756	0.0547	0.0279	7.06%	0.0152	4.16%
127	Histidine (%)	7	7	0.2654	0.0428	0.2595	0.0220	0.0104	8.49%	0.0089	4.90%
128	Isoleucine (%)	7	7	0.3597	0.0368	0.3597	0.0418	0.0197	11.61%	0.0174	4.67%
129	Leucine (%)	7	7	0.6202	0.0418	0.6202	0.0474	0.0224	7.65%	0.0144	4.30%
130	L-Lysine (%)	8	7	0.6541	0.0532	0.6579	0.0514	0.0243	7.81%	0.0108	4.26%
131	Methionine (%)	6	6	0.1031	0.0162	0.1031	0.0183	0.0094	17.79%	0.0052	5.63%
132	Phenylalanine (%)	7	7	0.3863	0.0879	0.3638	0.0385	0.0182	10.59%	0.0063	4.66%
133	Proline (%)	7	7	0.5111	0.0743	0.4959	0.0444	0.0210	8.96%	0.0145	4.44%
134	Serine (%)	7	7	0.5506	0.0487	0.5506	0.0552	0.0261	10.03%	0.0137	4.38%
135	Threonine (%)	7	7	0.3459	0.0216	0.3477	0.0202	0.0096	5.82%	0.0063	4.69%
136	Tryptophan (%)	6	6	0.1195	0.0371	0.1204	0.0399	0.0204	33.13%	0.0073	5.50%
137	Tyrosine (%)	6	6	0.3952	0.0207	0.3952	0.0234	0.0120	5.93%	0.0068	4.60%
138	Valine (%)	7	7	0.4237	0.0396	0.4237	0.0449	0.0212	10.59%	0.0119	4.55%
139	Taurine (%)	2	2	0.1280	0.1796						
160	Fructose (%)	2	1	0.7800							
162	Glucose (%)	1		0.0000							
163	Lactose (%)	1		0.0000							
165	Sucrose (%)	2	2	0.5650	0.0071						
166	Raffinose (%)	1	1	0.1300							
167	Stachyose (%)	1	1	0.5715							
400	Water Activity (Units)	1	1	0.3835							
516	Arsenic, Total (mg / kg (ppm))	6	4	0.0807	0.1029	0.0807	0.1029	0.0018	127.48%	0.0103	22.00%
518	Cadmium (mg / kg (ppm))	6	6	0.1002	0.0376	0.1099	0.0174	0.0089	15.82%	0.0084	22.00%
520	Chromium (mg / kg (ppm))	5	5	2.056	0.3957	2.056	0.3957	0.1770	19.24%	0.2798	14.35%
526	Lead (mg / kg (ppm))	5	4	0.0822	0.0148	0.0822	0.0148	0.0074	18.02%	0.0068	22.00%
539	Nickel (mg / kg (ppm))	4	4	1.208	0.1238	1.208	0.1238	0.0619	10.25%	0.1289	15.55%
710	Lauric Acid (12:0) (%) (w/w)	1		0.0100							

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714	Myristic Acid (14:0) (% (w/w))	1		0.0100							
716	Palmitic Acid (16:0) (% (w/w))	1	1	0.1750							
718	Palmitoleic Acid (9c-16:1) (% (w/w))	1		0.0100							
722	Stearic Acid (18:0) (% (w/w))	1	1	0.0650							
724	Oleic Acid (9c-18:1) (% (w/w))	1	1	0.2050							
726	Linoleic Acid (9c,12c-18:2) (% (w/w))	1	1	0.5800							
728	alpha-Linolenic Acid (9c,12c,15c-18:3) (% (w/w))	1	1	0.1500							
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	0.1500							
756	Total n-6 Polyunsaturated (Omega-6) Fatty Acids (% (w/w))	1	1	0.5800							
772	Total Fatty Acids (% (w/w))	1	1	1.180							

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.