



AAFCO
Proficiency Testing Program



Minerals Scheme

Soybean Hulls

Test Material Code # 202053

Analyte Summary Report

Labs Reporting: 33

Analytes Reported: 16

Issue Date : 10/31/2020

Analyte Group Code	Analyte and Method	Total # Tests Submitted	# Tests in Robust Calcs	Raw Mean	Raw SD	Assigned Value Robust Mean	Horwitz SD	Uncertainty (U) Robust	% RSD - Horwitz	Average Range (R-bar)	Thompson Horwitz %RSD
015	Aluminum (ppm)	18	17	908.4	267.6	851.9	49.36	29.42	5.79%	40.40	5.79%
017	Boron (ppm)	11	11	30.98	2.647	30.43	2.911	0.4903	9.57%	1.427	9.57%
021	Cobalt (ppm)	23	22	23.51	2.415	23.40	2.329	0.6258	9.95%	1.815	9.95%
022	Copper (ppm)	30	28	12.81	4.363	12.37	1.355	0.2427	10.96%	0.8270	10.96%
023	Fluorine (ppm)	5	5	133.9	47.99	133.9	10.25	4.585	7.65%	4.908	7.65%
024	Iodine (ppm)	2	1	165.0							
034	Selenium (ppm)	22	15	0.2390	0.0900	0.2182	0.0439	0.0149	20.12%	0.0166	20.12%
036	Sulfur (%)	21	20	0.4225	0.0911	0.4005	0.0184	0.0107	4.59%	0.0191	4.59%
038	Molybdenum (ppm)	20	16	0.6089	0.0483	0.6091	0.1050	0.0170	17.24%	0.0451	17.24%
041	Vanadium (ppm)	12	12	41.68	9.675	42.43	3.861	3.135	9.10%	8.036	9.10%
516	Arsenic, Total (ppm)	27	26	9.114	2.447	9.499	1.083	0.3823	11.40%	0.7849	11.40%
518	Cadmium (ppm)	27	26	2.538	0.6918	2.661	0.3674	0.0819	13.81%	0.2577	13.81%
520	Chromium (ppm)	24	21	2.346	0.6815	2.371	0.3331	0.1959	14.05%	0.1058	14.05%
526	Lead (ppm)	27	25	1.861	0.5389	1.918	0.2782	0.0907	14.50%	0.1823	14.50%
529	Mercury (ppb)	17	15	1,484	376.3	1,445	218.7	106.9	15.13%	171.1	15.13%
539	Nickel (ppm)	20	18	1.357	0.3385	1.372	0.2092	0.0821	15.25%	0.2092	15.25%

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. Horwitz and Revised Horwitz SD's assigned regardless of participant number.