AAFCO Proficiency Testing Program

ANAB ACCREDITED ISO/IEC 17043 PROFICIENCY TESTING PROVIDER

AAFCO PTP Minerals Scheme

Minerals Scheme

 # Labs Reporting: 32

Wheat Bran

Analyte Summary Report

 # Analytes Reported: 16

Test Material Code # 202054

Issue Date : 01/31/2021

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)	21	**20**	59.38	8.289	**59.73**	5.163	2.031	8.64%	2.684	8.64%
017	Boron (ppm)	13	**13**	127.5	31.71	**134.5**	10.29	3.805	7.65%	5.179	7.65%
021	Cobalt (ppm)	21	**14**	0.3091	0.0864	**0.2975**	0.0571	0.0164	19.20%	0.0125	19.20%
022	Copper (ppm)	33	**32**	142.6	7.746	**142.6**	10.81	1.872	7.58%	3.119	7.58%
023	Fluorine (ppm)	4	1								
024	Iodine (ppm)	3	2	1,010	1,407	1,010	57.06	40.35	5.65%	25.20	5.65%
034	Selenium (ppm)	22	**19**	2.525	0.6899	**2.620**	0.3625	0.1213	13.84%	0.0554	13.84%
036	Sulfur (%)	22	**21**	0.2442	0.0164	**0.2451**	0.0121	0.0036	4.94%	0.0068	4.94%
038	Molybdenum (ppm)	23	**22**	141.1	16.49	**139.7**	10.62	2.134	7.61%	4.887	7.61%
041	Vanadium (ppm)	11	**9**	0.5388	0.5326	**0.3788**	0.0701	0.0365	18.51%	0.0251	18.51%
516	Arsenic, Total (ppm)	28	**28**	26.76	3.598	**26.87**	2.619	0.5451	9.75%	1.833	9.75%
518	Cadmium (ppm)	27	**23**	0.4600	0.1534	**0.4487**	0.0810	0.0195	18.05%	0.0233	18.05%
520	Chromium (ppm)	26	**26**	222.7	13.61	**221.7**	15.73	3.020	7.10%	8.501	7.10%
526	Lead (ppm)	29	**27**	4.685	0.8580	**4.696**	0.5952	0.1347	12.67%	0.2373	12.67%
529	Mercury (ppb)	16	**15**	59.62	73.34	**46.52**	10.23	7.425	22.00%	3.680	22.00%
539	Nickel (ppm)	23	**22**	258.0	14.05	**257.6**	17.87	3.952	6.94%	8.199	6.94%

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.