



AAFCO
Association of American Feed Control Officials



Minerals Scheme

Cattle Mineral

Test Material Code # 202552

Analyte Summary Report

Labs Reporting: 31

Analytes Reported: 15

Issue Date : 07/31/2025

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 (Rob R-bar)	Thompson Horwitz %RSD
015	Aluminum (ppm)	15	15	1,060	416.6	1,049	58.90	86.37	5.62%	17.79	5.62%
017	Boron (ppm)	9	9	47.68	12.27	47.82	4.274	5.671	8.94%	2.442	8.94%
021	Cobalt (ppm)	24	24	136.7	31.76	136.6	10.42	9.127	7.63%	4.146	7.63%
022	Copper (ppm)	27	26	1,327	124.2	1,347	72.84	19.40	5.41%	20.36	5.41%
024	Iodine (ppm)	2	2	120.8	20.86						
034	Selenium, Total (Se) (ppm)	23	22	17.25	3.700	17.17	1.790	1.061	10.43%	0.5876	10.43%
036	Sulfur (%)	13	13	0.6535	0.0733	0.6583	0.0280	0.0235	4.26%	0.0167	4.26%
038	Molybdenum (ppm)	22	21	61.59	11.85	62.99	5.401	2.001	8.58%	1.484	8.58%
041	Vanadium (ppm)	10	9	7.478	2.298	7.740	0.9099	0.2557	11.76%	0.2390	11.76%
516	Arsenic, Total (As) (ppm)	23	23	4.075	0.8055	4.110	0.5315	0.2080	12.93%	0.1889	12.93%
518	Cadmium (ppm)	28	26	1.320	0.4418	1.290	0.1986	0.0460	15.40%	0.0419	15.40%
520	Chromium, Total (Cr) (ppm)	26	26	247.1	55.99	250.0	17.42	13.51	6.97%	9.639	6.97%
526	Lead (ppm)	28	28	21.96	3.884	22.09	2.218	0.9504	10.04%	0.6756	10.04%
529	Mercury (ppb)	17	16	177.7	86.57	184.8	38.12	13.81	20.62%	10.92	20.62%
539	Nickel (ppm)	19	19	119.0	25.46	119.7	9.319	7.822	7.79%	4.245	7.79%

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.