

Magruder Certificate of Analysis

Magruder Sample #180111 Secondary & Micronutrients

Analyte	Value	± Standard Uncertainty	# Labs
Acid Soluble Calcium (18%)	18.87	0.19	63
Total Sulfur (16%)	16.34	0.16	49
Acid Soluble Boron (0.5%)	0.5058	0.0072	52
Acid Soluble Cadmium (ppm)	0.3151	0.0338	16
Acid Soluble Chromium (ppm)	16.00	1.49	24
Acid Soluble Cobalt (ppm)	1.868	0.174	23
Acid Soluble Copper (%)	0.00110	0.00040	19
Acid Soluble Lead (ppm)	1.572	0.214	16
Acid Soluble Molybdenum (ppm)	2.285	0.413	19
Acid Soluble Nickel (ppm)	4.663	0.172	24
Acid Soluble Zinc (1.5%)	1.519	0.014	63

- 1. Data obtained from participant results in the Magruder Check Sample Program.
- 2. Guaranteed concentrations noted by the value preceding the unit in Analyte name.
- 3. Values are robust means. Standard uncertainty determined as 1.25 x robust standard deviation / sqrt(#Labs). Results only shown for analytes tested by 16 or more labs. Values and uncertainties for analytes tested by less than 16 labs are available in Analyte Reports.
- 4. Technical information on Certificat of Analysis available at www.magruderchecksample.org/prod/Articles.html