

Magruder Certificate of Analysis

Magruder Sample #210112 Micronutrients

Analyte	Value	± Standard Uncertainty	# Labs	
Acid Soluble Ca (5%)	6.236	0.125	67	
Acid Soluble Mg (9.5%)	0.3610	0.0478	21	
Total S (%)	9.773	0.067	50	
Acid Soluble As (ppm)	3.893	0.205	18	
Acid Soluble B (1.25%)	1.155	0.015	54	
Acid Soluble Cd (ppm)	11.66	0.59	22	
Acid Soluble Cr (ppm)	35.00	3.5	20	
Acid Soluble Co (ppm)	20.96	1.21	19	
Acid Soluble Cu (%)	0.01955	0.00046	30	
Acid Soluble Fe (%)	0.8234	0.0384	18	
Acid Soluble Pb (ppm)	142.6	5.2	23	
Acid Soluble Mn (5%)	5.191	0.047	63	
Acid Soluble Ni (ppm)	147.9	6.9	22	
Acid Soluble Zn (7.5%)	8.646	0.150	68	

- 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