



Magruder Certificate of Analysis

Magruder Sample #231111 High Micros

Analyte	Value	± Uncertainty	# Labs
Acid Soluble B (2.5%)	2.491	0.025	56
Acid Soluble Cd (ppm)	28.84	0.96	16
Acid Soluble Co (ppm)	78.41	2.54	17
Acid Soluble Cu (10%)	10.15	0.060	62
Acid Soluble Fe (9%)	8.484	0.126	63
Acid Soluble Pb (ppm)	324.1	15.5	19
Acid Soluble Mn (8%)	8.137	0.063	60
Acid Soluble Ni (ppm)	145.4	6.0	17
Acid Soluble Zn (%)	4.035	0.082	34

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. Uncertainty determined as $1.25 \times \text{robust standard deviation} / \sqrt{\text{\#Labs}}$.
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.