

## Magruder Certificate of Analysis

## Magruder Sample #201111 Ca-Mg-S-B

Analyte	Value	± Standard Uncertainty	# Labs
Total N (1%)	1.793	0.015	74
Acid Soluble Ca (10%)	9.839	0.095	74
Acid Soluble Mg (5%)	4.378	0.071	72
Total S (1.5%)	3.355	0.049	49
Acid Soluble B (10%)	9.791	0.101	57
Acid Soluble Cr (ppm)	19.08	1.81	16
Acid Soluble Cu (%)	0.04262	0.00125	27
Acid Soluble Fe (%)	0.5368	0.0153	18
Acid Soluble Mn (%)	0.2783	0.0087	17
Acid Soluble Ni (ppm)	14.39	1.39	17
Acid Soluble Zn (%)	0.5140	0.0099	28

- 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