

Magruder Certificate of Analysis

Magruder Sample #191111 Turf fertilizer w/Si

Analyte	Value	± Standard Uncertainty	# Labs
Acid Soluble Calcium (24%)	24.41	0.18	59
Acid Soluble Magnesium (5%)	5.027	0.047	61
Acid Soluble Chromium (ppm)	1774	253	16
Acid Soluble Cobalt (ppm)	46.37	3.66	17
Acid Soluble Copper (%)	0.00764	0.00127	38
Acid Soluble Iron (%)	3.703	0.055	58
Acid Soluble Manganese (%)	0.6020	0.0064	53
Acid Soluble Molybdenum (30ppm)	52.36	3.98	29
Acid Soluble Nickel (ppm)	276.7	21.7	18
Acid Soluble Zinc (%)	0.00360	0.00058	30

- 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