

Magruder Certificate of Analysis

Magruder Sample #211111 5-2-0 Organic

Analyte	Value	± Standard Uncertainty	# Labs	
Total N (5%)	5.167	0.020	81	
Total P2O5 (%)	4.451	0.10	43	
Direct Available P2O5 (2%)	3.467	0.222	39	
Acid Soluble Cd (ppm)	1.996	0.130	23	
Acid Soluble Cr (ppm)	52.73	2.29	23	
Acid Soluble Co (ppm)	8.220	0.640	18	
Acid Soluble Cu (%)	0.02621	0.00065	36	
Acid Soluble Fe (%)	2.504	0.046	17	
Acid Soluble Pb (ppm)	34.94	2	23	
Acid Soluble Mn (%)	0.1179	0.0038	17	
Acid Soluble Mo (ppm)	9.353	0.836	20	
Acid Soluble Ni (ppm)	24.30	0.9	23	
Acid Soluble Zn (%)	0.1478	0.0031	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. 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