

Magruder Certificate of Analysis

Magruder Sample #200511 Grade 8-5-5 Organic

Analyte	Value	± Standard Uncertainty	# Labs	
Total N (8%)	8.635	0.022	59	
Total P2O5 (%)	4.618	0.096	35	
Direct Available P2O5 (5%)	4.193	0.124	34	
Soluble K2O (5%)	6.706	0.128	61	
Acid Soluble Ca (4.5%)	3.824	0.052	39	
Acid Soluble Mg (%)	0.1968	0.0073	16	
Total S (1%)	2.751	0.116	35	
Acid Soluble Cu (%)	0.00143	0.00015	16	
Acid Soluble Zn (%)	0.00952	0.00025	21	

- 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