

Magruder Certificate of Analysis

Magruder Sample #180611 Grade 18-3-6

Analyte	Value	± Standard Uncertainty	# Labs	
Ammoniacal Nitrogen (%)	1.290	0.121	20	
Total Nitrogen (18%)	18.23	0.03	75	
Total Phosphorus as P2O5 (%)	3.178	0.031	45	
Direct Available Phosphorus as P2O5 (3%)	3.108	0.022	40	
Soluble Potassium as K2O (6%)	5.839	0.043	79	
Acid Soluble Cadmium (ppm)	1.232	0.076	17	
Acid Soluble Chromium (ppm)	16.43	0.83	16	
Acid Soluble Zinc (%)	0.0020	0.00020	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