

Magruder Certificate of Analysis

Magruder Sample #200111 6-2-4 w/S & Humic Acids

Analyte	Value	± Standard Uncertainty	# Labs	
Ammoniacal N (%)	6.434	0.048	41	
Total N (6%)	7.033	0.038	74	
Total P2O5 (%)	3.903	0.075	50	
Direct Available P2O5 (2%)	3.677	0.143	42	
Soluble K2O (4%)	3.996	0.029	93	
Acid Soluble Mg (%)	0.1239	0.0062	17	
Total S (5%)	7.596	0.265	47	
Acid Soluble Cd (ppm)	10.04	0.47	20	
Acid Soluble Cu (%)	0.00137	0.00020	16	
Acid Soluble Ni (ppm)	20.98	1.1	18	
Acid Soluble Zn (%)	0.01608	0.00072	26	
Humic Acids (20%)	21.56	0.47	24	

- 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