

Magruder Certificate of Analysis

Magruder Sample #230411 Grade 1-3-2

Analyte	Value	± Uncertainty	# Labs	
Total N (1%)	1.644	0.019	51	
Total P2O5 (%)	3.898	0.162	32	
Direct Available P2O5 (3%)	4.035	0.105	35	
Soluble K2O (2%)	1.950	0.026	66	
Acid Soluble Mg (2%)	0.3525	0.0069	40	
Total S (2%)	7.652	0.272	32	
Acid Soluble Cu (4%)	3.390	0.046	49	
Acid Soluble Fe (35%)	22.80	1.85	41	
Acid Soluble Mn (0.5%)	0.2084	0.0041	39	
Acid Soluble Zn (7%)	6.374	0.107	49	

^{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. 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.