

Magruder Certificate of Analysis

Magruder Sample #230811 Grade 4-3-4

Analyte	Value	± Uncertainty	# Labs	
Ammoniacal N (%)	0.3807	0.0455	17	
Total N (4%)	4.048	0.020	63	
Total P2O5 (%)	4.551	0.106	38	
Direct Available P2O5 (3%)	4.066	0.104	42	
Soluble K2O (4%)	4.326	0.042	72	
Acid Soluble Ca (%)	7.559	0.076	46	
Acid Soluble Mg (1%)	1.956	0.028	54	
Total S (5%)	6.222	0.177	39	
Acid Soluble Cr (ppm)	43.26	4.91	16	
Acid Soluble Cu (%)	0.01841	0.00045	24	
Acid Soluble Zn (%)	0.03231	0.00086	25	

^{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.