

Magruder Certificate of Analysis

Magruder Sample #230611 Grade 15-6-12

Analyte	Value	± Uncertainty	# Labs	
Ammoniacal N (%)	8.457	0.046	25	
Nitrate N (%)	6.745	0.092	19	
Total N (15%)	16.13	0.061	61	
Total P2O5 (%)	6.403	0.070	42	
Direct Available P2O5 (6%)	6.349	0.038	38	
Soluble K2O (12%)	12.43	0.066	74	
Acid Soluble Mg (1.3%)	1.573	0.018	55	
Total S (6.3%)	6.940	0.089	46	
Acid Soluble Cr (ppm)	14.56	1.46	23	
Acid Soluble Cu (0.08%)	0.07876	0.00081	58	
Acid Soluble Fe (0.32%)	0.3498	0.0050	61	
Acid Soluble Mn (0.13%)	0.1415	0.0017	58	
Acid Soluble Mo (110ppm)	126.8	3.1	35	
Acid Soluble Ni (ppm)	5.019	0.577	20	
Acid Soluble Zn (%)	0.08267	0.00140	57	

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.