



Magruder Certificate of Analysis

Magruder Sample #221111 7-12-27 w/S&Mg

Analyte	Value	± Uncertainty	# Labs
Ammoniacal N (%)	0.7379	0.0415	27
Nitrate N (%)	6.675	0.073	21
Total N (7%)	7.439	0.064	75
Total P2O5 (%)	12.35	0.083	44
Direct Available P2O5 (12%)	12.39	0.068	48
Soluble K2O (27%)	27.40	0.092	84
Acid Soluble Mg (5%)	5.272	0.046	60
Total S (6.5%)	6.764	0.076	51

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 $1.25 \times \text{robust standard deviation} / \sqrt{\text{\#Labs}}$. 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.