



Magruder Certificate of Analysis

Magruder Sample #240714 18-46-0 DAP

Analyte	Value	± Uncertainty	# Labs
Ammoniacal N (%)	17.64	0.14	32
Total N (18%)	18.08	0.045	69
Total P2O5 (%)	46.29	0.12	56
Direct Available P2O5 (46%)	46.39	0.11	42
Water Soluble P2O5 (%)	41.75	0.16	22
Acid Soluble Mg (%)	0.4911	0.0262	17
Acid Soluble Cd (ppm)	4.709	0.110	18
Acid Soluble Cr (ppm)	70.14	2.64	21
Acid Soluble Co (ppm)	4.676	0.462	18
Acid Soluble Fe (%)	1.230	0.026	18
Acid Soluble Mo (ppm)	10.29	0.69	20
Acid Soluble Ni (ppm)	18.15	0.88	21
Acid Soluble Zn (%)	0.00772	0.00070	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 $1.25 \times \text{robust standard deviation} / \sqrt{\text{\#Labs}}$.
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.