



Association of
American Plant
Food Control
Officials

Magruder Certificate of Analysis

Magruder Sample #230311 Grade 22-0-12

Analyte	Value	± Uncertainty	# Labs
Ammoniacal N (%)	11.59	0.22	25
Total N (%)	22.30	0.050	63
Soluble K ₂ O (%)	12.87	0.079	78
Water Soluble Cl (%)	9.386	0.062	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.