



Association of  
American Plant  
Food Control  
Officials

# Magruder Certificate of Analysis

## Magruder Sample #240811 Grade 21-7-14

Analyte	Value	± Uncertainty	# Labs
Ammoniacal N (%)	11.05	0.042	27
Nitrate N (%)	9.903	0.092	21
Total N (21%)	20.87	0.090	51
Total P2O5 (%)	6.979	0.062	32
Direct Available P2O5 (7%)	6.908	0.045	40
Soluble K2O (14%)	13.97	0.077	64
Total S (5.1%)	5.132	0.048	38

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.