

Magruder Certificate of Analysis

Magruder Sample #200811 WS 20-20-20 w/micros

Analyte	Value	± Standard Uncertainty	# Labs	
Ammoniacal N (%)	3.298	0.141	21	
Total N (20%)	20.14	0.09	60	
Total P2O5 (%)	14.72	0.15	32	
Direct Available P2O5 (20%)	14.75	0.12	33	
Soluble K2O (20%)	23.54	0.26	66	
Acid Soluble B (0.02%)	0.01961	0.00052	31	
Acid Soluble Cu (0.05%)	0.04892	0.00074	45	
Acid Soluble Fe (0.1%)	0.1014	0.0016	46	
Acid Soluble Mn (0.05%)	0.0480	0.00065	45	
Acid Soluble Mo (5ppm)	4.532	0.560	19	
Acid Soluble Zn (0.05%)	0.04966	0.00030	49	

- 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. Standard 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.
- 4. Technical information on Certificat of Analysis available at www.magruderchecksample.org/prod/Articles.html