CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number:	sc-291892
Lot Number:	SAMPLE
Product Name:	Ammonium acetate solution, 5M
CAS Number:	631-61-8
Molecular Formula:	$C_2H_7NO_2$
Molecular Weight:	77.08

Test	Specification	Result
Appearance	Colorless liquid	Complies
pH	6.2 - 7.5 (solution, 1 m in water)	6.3
Specific Gravity	1.065 - 1.075 (20 ºC / 4 ºC)	1.069
Trace metal analysis	Consistent with requirements	Complies
A260	≤ 0.015	< 0.001
A280	≤ 0.010	0.001
Filter Test	No Residue	Complies
Titration	4.90 - 5.10 Mol/l (N-Determination According to Kjeldahl)	5.07 Mol/l
Aluminum	≤ 1 mg/kg	< 1 mg/kg
Arsenic	≤ 0.1 mg/kg (MHS-AAS)	< 0.1 mg/kg
Barium	≤ 1 mg/kg	< 1 mg/kg
Bismuth	≤ 1 mg/kg	< 1 mg/kg
Cadmium	≤ 1 mg/kg	< 1 mg/kg
Calcium	≤ 5 mg/kg	< 5 mg/kg
Chloride	≤ 5 mg/kg	< 5 mg/kg
Chromium	≤ 1 mg/kg	< 1 mg/kg
Cobalt	≤ 1 mg/kg	< 1 mg/kg
Copper	≤ 1 mg/kg	< 1 mg/kg
Iron	≤ 1 mg/kg	< 1 mg/kg

Lead	≤ 1 mg/kg	< 1 mg/kg
Lithium	≤ 1 mg/kg	< 1 mg/kg
Magnesium	≤ 1 mg/kg	< 1 mg/kg
Manganese	≤ 1 mg/kg	< 1 mg/kg
Molybdenum	≤ 1 mg/kg	< 1 mg/kg
Nickel	≤ 1 mg/kg	< 1 mg/kg
Nitrate	≤ 10 mg/kg	< 10 mg/kg
Potassium	≤ 20 mg/kg	< 20 mg/kg
Sodium	≤ 20 mg/kg	< 20 mg/kg
Strontium	≤ 1 mg/kg	< 1 mg/kg
Sulfated Ash	≤ 0.01%	0.00%
Sulfur (ICP)	≤ 10 mg/kg (Total Sulfur, as SO4)	< 10 mg/kg
Zinc	≤ 1 mg/kg	< 1 mg/kg