



The Power to Question

# CERTIFICATE OF ANALYSIS

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 °C / 4 °C)	1.069
Trace metal analysis	Consistent with requirements	Complies
A260	$\leq 0.015$	$< 0.001$
A280	$\leq 0.010$	0.001
Filter Test	No Residue	Complies
Titration	4.90 - 5.10 Mol/l (N-Determination According to Kjeldahl)	5.07 Mol/l
Aluminum	$\leq 1$ mg/kg	$< 1$ mg/kg
Arsenic	$\leq 0.1$ mg/kg (MHS-AAS)	$< 0.1$ mg/kg
Barium	$\leq 1$ mg/kg	$< 1$ mg/kg
Bismuth	$\leq 1$ mg/kg	$< 1$ mg/kg
Cadmium	$\leq 1$ mg/kg	$< 1$ mg/kg
Calcium	$\leq 5$ mg/kg	$< 5$ mg/kg
Chloride	$\leq 5$ mg/kg	$< 5$ mg/kg
Chromium	$\leq 1$ mg/kg	$< 1$ mg/kg
Cobalt	$\leq 1$ mg/kg	$< 1$ mg/kg
Copper	$\leq 1$ mg/kg	$< 1$ mg/kg
Iron	$\leq 1$ mg/kg	$< 1$ mg/kg

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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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 SO <sub>4</sub> )	< 10 mg/kg
Zinc	≤ 1 mg/kg	< 1 mg/kg

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