

Certificate of Analysis

Product Name: AMMONIUM ACETATE
for mass spectrometry, eluent additive for LC-MS

Product Number: 73594

Batch Number: BCBV8695

Brand: Sigma-Aldrich

CAS Number: 631-61-8

Formula: CH₃CO₂NH₄

Formula Weight: 77.08

Quality Release Date: 23 NOV 2017

Recommended Retest Date: AUG 2021

TEST	SPECIFICATION	RESULT
APPEARANCE (COLOR)	COLORLESS OR WHITE	WHITE
APPEARANCE (FORM)	CRYSTALS	CRYSTALS
TITRATION (T) NAOH 1M	99.0 - 101.0 % (CALC. ON DRY SUBSTANCE)	99.0 %
LC-MS	LC-MS IN ACCORDANCE	LC-MS IN ACCORDANCE
WATER	≤ 1 %	0.96 %
RESIDUE ON IGNITION	≤ 0.01 %	0.01 %
METAL TRACE ANALYSIS (ICP)	CORRESPONDS TO REQUIREMENTS	PASSED
ALUMINIUM (ICP)	≤ 1 MG/KG	< 1 MG/KG
BARIUM (ICP)	≤ 1 MG/KG	< 1 MG/KG
BISMUTH (ICP)	≤ 1 MG/KG	< 1 MG/KG
CALCIUM (ICP)	≤ 5 MG/KG	< 5 MG/KG
CADMIUM (ICP)	≤ 1 MG/KG	< 1 MG/KG
COBALT (ICP)	≤ 1 MG/KG	< 1 MG/KG
CHROMIUM (ICP)	≤ 1 MG/KG	< 1 MG/KG
COPPER (ICP)	≤ 1 MG/KG	< 1 MG/KG
IRON (ICP)	≤ 1 MG/KG	< 1 MG/KG
POTASSIUM (ICP)	≤ 5 MG/KG	< 5 MG/KG
LITHIUM (ICP)	≤ 1 MG/KG	< 1 MG/KG
MAGNESIUM (ICP)	≤ 1 MG/KG	< 1 MG/KG
MANGANESE (ICP)	≤ 1 MG/KG	< 1 MG/KG
MOLYBDENUM (ICP)	≤ 1 MG/KG	< 1 MG/KG
SODIUM (ICP)	≤ 5 MG/KG	< 5 MG/KG
NICKEL (ICP)	≤ 1 MG/KG	< 1 MG/KG
LEAD (ICP)	≤ 1 MG/KG	< 1 MG/KG

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STRONTIUM (ICP)	≤ 1 MG/KG	< 1 MG/KG
ZINC (ICP)	≤ 1 MG/KG	< 1 MG/KG
ARSENIC TRACES (MHS-AAS)	≤ 0.1 MG/KG	< 0.1 MG/KG
TOTAL SULFUR AS SO₄ (ICP)	≤ 10 MG/KG	< 10 MG/KG
CHLORIDE (CL)	≤ 5 MG/KG	< 5 MG/KG
NITRATE (NO₃)	≤ 10 MG/KG	< 10 MG/KG
SOLUBILITY (METHOD)	1 M IN H ₂ O	1 M IN H ₂ O
APPEARANCE (SOLUTION)	CLEAR COLORLESS	CLEAR COLORLESS
PH (SOLUTION)	6.2 - 7.5	7.1
RESIDUE (FILTER TEST)	NO RESIDUE	NO RESIDUE
UV - ABS. AT 260 NM	≤ 0.015	0.002
UV - ABS. AT 280 NM	≤ 0.010	0.001



Dr. Claudia Geitner
Manager Quality Control
Buchs, Switzerland

Sigma-Aldrich warrants that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.