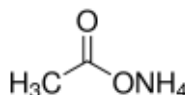


Certificate of Analysis

Product Name:

Ammonium acetate - LiChropur™, eluent additive for LC-MS

Product Number: 73594
Batch Number: BCCJ0432
 Brand: SIAL
 CAS Number: 631-61-8
 Formula: C₂H₇NO₂
 Formula Weight: 77,08 g/mol
 Quality Release Date: 11 AUG 2022
 Recommended Retest Date: JUL 2026



Test	Specification	Result
Appearance (Color)	Colorless or White	White
Appearance (Form)	Crystals	Crystals
Titration with NaOH 99.0 - 101.0 % (Calc. on Dry Substance)	99.0 - 101.0 %	99.7 %
LCMS	Corresponds to Requirements	Corresponds
LC-MS in Accordance		
Water	≤ 1 %	1 %
Residue on Ignition	≤ 0.01 %	0.00 %
Metal Trace Analysis (ICP)	Corresponds to Requirements	Pass
Aluminum (Al)	≤ 1 mg/kg	< 1 mg/kg
Barium (Ba)	≤ 1 mg/kg	< 1 mg/kg
Bismuth (Bi)	≤ 1 mg/kg	< 1 mg/kg
Calcium (Ca)	≤ 5 mg/kg	< 5 mg/kg
Cadmium (Cd)	≤ 1 mg/kg	< 1 mg/kg
Cobalt (Co)	≤ 1 mg/kg	< 1 mg/kg
Chromium (Cr)	≤ 1 mg/kg	< 1 mg/kg
Copper (Cu)	≤ 1 mg/kg	< 1 mg/kg
Iron (Fe)	≤ 1 mg/kg	< 1 mg/kg
Potassium (K)	≤ 5 mg/kg	< 5 mg/kg
Lithium (Li)	≤ 1 mg/kg	< 1 mg/kg
Magnesium (Mg)	≤ 1 mg/kg	< 1 mg/kg
Manganese (Mn)	≤ 1 mg/kg	< 1 mg/kg
Molybdenum (Mo)	≤ 1 mg/kg	< 1 mg/kg

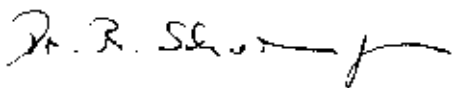
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Certificate of Analysis

Product Number: 73594
Batch Number: BCCJ0432

Test	Specification	Result
Sodium (Na)	≤ 5 mg/kg	< 5 mg/kg
Nickel (Ni)	≤ 1 mg/kg	< 1 mg/kg
Lead (Pb)	≤ 1 mg/kg	< 1 mg/kg
Strontium (Sr)	≤ 1 mg/kg	< 1 mg/kg
Zinc (Zn)	≤ 1 mg/kg	< 1 mg/kg
Arsenic (As) (MHS-AAS)	≤ 0.1 mg/kg	< 0.1 mg/kg
Total Sulfur as SO ₄ (ICP)	≤ 10 mg/kg	< 10 mg/kg
Chloride (Cl)	≤ 5 mg/kg	< 5 mg/kg
Nitrate (NO ₃)	≤ 10 mg/kg	< 10 mg/kg
Appearance of solution (Clear Colorless) 1 m in H ₂ O	Corresponds to Requirements	Corresponds
PH of Solution (PH) 1 m in H ₂ O	6.2 - 7.5	7.0
Filtered (No Residue on Filter Test)	No Residue	No Residue
UV Absorbance 260nm	≤ 0.015	0.002
UV Absorbance 280nm	≤ 0.010	0.001



Dr. Reinhold Schwenninger
Quality Assurance
Buchs, Switzerland CH

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