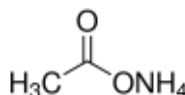


## Certificate of Analysis

Product Name:

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

**Product Number:** 73594  
**Batch Number:** BCCK7311  
**Brand:** SIAL  
**CAS Number:** 631-61-8  
**Formula:** C<sub>2</sub>H<sub>7</sub>NO<sub>2</sub>  
**Formula Weight:** 77,08 g/mol  
**Quality Release Date:** 18 AUG 2023  
**Recommended Retest Date:** JUL 2027



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 %	99.1 %
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

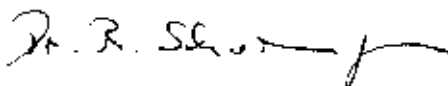
Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical 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.



## Certificate of Analysis

Product Number: 73594  
Batch Number: BCCK7311

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 <sub>4</sub> (ICP)	≤ 10 mg/kg	< 10 mg/kg
Chloride (Cl)	≤ 5 mg/kg	< 5 mg/kg
Nitrate (NO <sub>3</sub> )	≤ 10 mg/kg	< 10 mg/kg
Appearance of solution (Clear Colorless) 1 m in H <sub>2</sub> O	Corresponds to Requirements	Corresponds
PH of Solution (PH) 1 m in H <sub>2</sub> O	6.2 - 7.5	6.9
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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