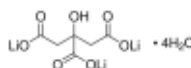


Certificate of Analysis

Product Name:

Lithium citrate tribasic tetrahydrate - BioUltra, ≥99.5% (NT)

Product Number: 62484
Batch Number: BCCN2978
Brand: SIAL
CAS Number: 6080-58-6
Formula: C₆H₅Li₃O₇ · 4H₂O
Formula Weight: 281,98 g/mol
Quality Release Date: 03 JUN 2025
Recommended Retest Date: OCT 2028



Test	Specification	Result
Appearance (Color)	Colorless or White	White
Appearance (Form)	Powder or Crystals	Crystals
Titration with HClO ₄	99.5 - 101.0 %	101.0 %
Metal Trace Analysis (ICP)	Corresponds to Requirements	Pass
Aluminum (Al)	≤ 5 mg/kg	< 5 mg/kg
Barium (Ba)	≤ 5 mg/kg	< 5 mg/kg
Bismuth (Bi)	≤ 5 mg/kg	< 5 mg/kg
Calcium (Ca)	≤ 10 mg/kg	< 10 mg/kg
Cadmium (Cd)	≤ 5 mg/kg	< 5 mg/kg
Cobalt (Co)	≤ 5 mg/kg	< 5 mg/kg
Chromium (Cr)	≤ 5 mg/kg	< 5 mg/kg
Copper (Cu)	≤ 5 mg/kg	< 5 mg/kg
Iron (Fe)	≤ 5 mg/kg	< 5 mg/kg
Potassium (K)	≤ 50 mg/kg	< 50 mg/kg
Magnesium (Mg)	≤ 5 mg/kg	< 5 mg/kg
Manganese (Mn)	≤ 5 mg/kg	< 5 mg/kg
Molybdenum (Mo)	≤ 5 mg/kg	< 5 mg/kg
Sodium (Na)	≤ 50 mg/kg	< 50 mg/kg
Nickel (Ni)	≤ 5 mg/kg	< 5 mg/kg
Lead (Pb)	≤ 5 mg/kg	< 5 mg/kg
Strontium (Sr)	≤ 5 mg/kg	< 5 mg/kg
Zinc (Zn)	≤ 5 mg/kg	< 5 mg/kg

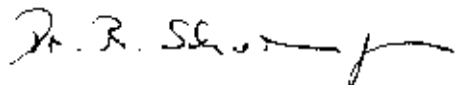
Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser 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: 62484
Batch Number: BCCN2978

Test	Specification	Result
Arsenic (As) (MHS-AAS)	≤ 0.1 mg/kg	< 0.1 mg/kg
Total Sulfur as SO ₄ (ICP)	≤ 50 mg/kg	< 50 mg/kg
Chloride (Cl)	≤ 50 mg/kg	< 50 mg/kg
Appearance of solution (Clear Colorless) 1 m in H ₂ O, 20 C	Corresponds to Requirements	Corresponds
PH of Solution (PH) 1 m in H ₂ O, 20 C	8.0 - 9.5	8.5
Filtered (No Residue on Filter Test)	No Residue	No Residue
UV Absorbance 260nm	≤ 0.040	0.039
UV Absorbance 280nm	≤ 0.016	0.008



Dr. Reinhold Schwenninger
Quality Assurance
Buchs, Switzerland CH

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.

