

# Certificate of Analysis

Product Name:

Lithium chloride - ACS reagent, ≥99%

**Product Number:** 310468  
**Batch Number:** MKCJ5259  
 Brand: SIGALD  
 CAS Number: 7447-41-8  
 MDL Number: MFCD00011078  
 Formula: CLi  
 Formula Weight: 42.39 g/mol  
 Quality Release Date: 01 MAR 2019  
 Recommended Retest Date: FEB 2022



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Conforms to Requirements	Crystalline Powder
Powder, Granules, Crystals or Crystalline Powder		
X-Ray Diffraction	Conforms to Structure	Conforms
Titration with AgNO <sub>3</sub>	≥ 99.0 %	99.2 %
Loss on Drying	≤ 1.0 %	< 1.0 %
at 105°C for 2 Hours		
Insoluble Matter	≤ 0.01 %	< 0.01 %
c = 6.67%; Water		
Barium	≤ 0.003 %	< 0.001 %
Iron (Fe)	≤ 0.001 %	< 0.001 %
Heavy Metals	≤ 0.002 %	< 0.001 %
by ICP-OES		
Sulfate (SO <sub>4</sub> )	≤ 0.01 %	< 0.01 %
Titrateable Base	≤ 0.008 meq	< 0.008 meq
Calcium (Ca)	≤ 0.01 %	0.01 %
Potassium (K)	≤ 0.01 %	< 0.01 %
Sodium (Na)	≤ 0.20 %	< 0.10 %
Meets ACS Requirements	Current ACS Specification	Conforms
Recommended Retest Period	-----	-----
3 Years		

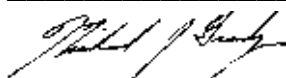
Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser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

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