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## Product Specification

Product Name:  
Lithium chloride - ACS reagent, ≥99%

**Product Number:** 310468  
**CAS Number:** 7447-41-8  
**MDL:** MFCD00011078  
**Formula:** CLi  
**Formula Weight:** 42.39 g/mol



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

Specification: PRD.2.ZQ5.10000030193

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.