

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-02-21 11:17:55  
Date of Next Testing: 2027-02-20 11:17:55  
Product Name: **Lithium perchlorate trihydrate**  
CAS Number: 13453-78-6  
Specifications & Purity: reagent grade,99.0%  
Lot #: B2318140  
SKU #: **L110838**  
Analysis: **189721**

Parameter	Limit Values	Result
Assay	99-100 (%)	100.00 %
Insoluble matter in H2O	0-0.005 (%)	0.00 %
Sulfate(SO42-)	0-0.005 (%)	0.00 %
Total Nitrogen	0-0.002 (%)	0.00 %
Chloride and Bromide(As Cl-)	0-0.01 (%)	0.01 %
Iron(Fe)	0-0.005 (%)	0.00 %
Chloride (Cl-)	0-0.003 (%)	0.00 %
Cl(Titration by AgNO3)	21-22 (%)	21.50 %
Heavy metal (as Pb)	0-0.001 (%)	0.00 %
Appearance (L110838)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
ICP Major Analysis Confirmed	Confirmed to structure	Confirmed to structure
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager