

## Certificate of Analysis

Date of Testing: 2024-08-01 08:18:05  
Date of Next Testing: 2028-07-31 08:18:05  
Product Name: **Lithium perchlorate**  
CAS Number: 7791-03-9  
Specifications & Purity: anhydrous, 98%  
Lot #: G2429123  
SKU #: **L118641**  
Version: **0**  
Analysis #: **394422**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Calcium(Ca)	0-100 (ppm)	20.00 ppm
Zinc(Zn)	0-50 (ppm)	10.00 ppm
Copper(Cu)	0-50 (ppm)	12.30 ppm
Sulfate(SO42-)	0-200 (ppm)	58.20 ppm
Chloride (Cl-)	0-50 (ppm)	6.90 ppm
Purity (dry basis)	98-100 (%)	99.99%
(Pb)Lead	0-50 (ppm)	0.00 ppm
Water by Karl Fischer	0-3 (%)	0.27%
Potassium(K)	0-500 (ppm)	200.00 ppm
Cadmium(Cd)	0-50 (ppm)	15.70 ppm
Sodium(Na)	0-100 (ppm)	20.00 ppm
Nickel(Ni)	0-50 (ppm)	10.00 ppm
Iron(Fe)	0-50 (ppm)	1.20 ppm
Cobalt(Co)	0-50 (ppm)	10.00 ppm
Appearance (L118641)	white powder	White powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



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ALADDIN SCIENTIFIC CORPORATION

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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager