

## Certificate of Analysis

Date of Testing: 2023-07-29 11:26:41  
Date of Next Testing: 2027-07-28 11:26:41  
Product Name: **Lithium chloride**  
CAS Number: 7447-41-8  
Specifications & Purity: for molecular biology,  $\geq 99\%$   
Lot #: G2311051  
SKU #: **L116330**  
**Analysis:** **095324**  
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Water by Karl Fischer	0-2 (%)	1.02 %
Barium(Ba)	0-0.003 (%)	0.00 %
Potassium(K)	0-0.01 (%)	0.01 %
Sulfate(SO42-)	0-0.01 (%)	0.00 %
Iron(Fe)	0-0.001 (%)	0.00 %
Heavy metal (as Pb)	0-0.002 (%)	0.00 %
Sodium(Na)	0-0.2 (%)	0.10 %
Purity(Titration by AgNO3)	99-100 (%)	99.01 %
Appearance (L116330)	White Powder or crystals	White Powder or Crystals
DNases	none detected	none detected
Insoluble matter	pass	Pass
phosphatases	none detected	none detected
proteases	none detected	none detected
RNases	none detected	none detected
Infrared spectrum	Conforms to Structure	Conforms to Structure
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager