

## Certificate of Analysis

Date of Testing: 2023-02-16 10:37:54  
 Date of Next Testing: 2027-02-15 10:37:54  
 Product Name: **Lithium hydroxide monohydrate**  
 CAS Number: 1310-66-3  
 Specifications & Purity: Analytical Reagent,98%  
 Lot #: B2307645  
 SKU #: **L104907**  
**Analysis:** **163654**  
 Storage Temperature: Argon charged,Desiccated

Parameter	Limit Values	Result
lithium carbonate (Li <sub>2</sub> CO <sub>3</sub> )	0-2 (%)	1.20 %
LiOH(Titration by HCL)	55.6-58.5 (%)	56.70 %
Purity(Titration by HCl)	97.5-102.5 (%)	100.49 %
Chloride	0-0.005 (%)	0.00 %
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-0.02 (%)	0.00 %
Insiluble matter in hydrochloric	0-0.005 (%)	0.00 %
Sodium(Na)	0-0.05 (%)	0.01 %
Magnesium(Mg)	0-0.01 (%)	0.00 %
Potassium(K)	0-0.05 (%)	0.00 %
Calcium(Ca)	0-0.01 (%)	0.00 %
Iron(Fe)	0-0.002 (%)	0.00 %
Clarity test (#)	0-4	4.00
Appearance (L104907)	White crystals	White crystals
ICP Assay	Confirmed to structure	Confirmed to structure
Infrared spectrum	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". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager