

Certificate of Analysis

Product Name:

Lithium carbonate - ACS reagent, ≥99.0%

Product Number: 255823
Batch Number: WXB5579V
Brand: SIGALD
CAS Number: 554-13-2
Formula: CLi2O3
Formula Weight: 73,89 g/mol
Quality Release Date: 26 MAR 2025
Recommended Retest Date: MAR 2029



Test	Specification	Result
Appearance (Colour)	White	White
Appearance (Form)	Powder	Powder
X-Ray Diffraction	Conforms to Structure	Conforms
Titration by HCL	≥ 99.0 %	100.5 %
Insoluble Matter	≤ 0.01 %	< 0.01 %
C= 10%; Dilute HCl		
Calcium (Ca)	≤ 0.01 %	< 0.01 %
Chloride Content	≤ 0.005 %	0.001 %
Iron (Fe)	≤ 0.002 %	< 0.002 %
Heavy Metals	≤ 0.002 %	< 0.002 %
by ICP-OES		
Potassium (K)	≤ 0.01 %	< 0.01 %
Sodium (Na)	≤ 0.1 %	< 0.1 %
Nitrate (ppm)	≤ 5 ppm	< 5 ppm
Sulfur Compounds	≤ 0.2 %	< 0.2 %
Meets ACS Requirements	Current ACS Specification	Conforms



Kang Chen
Quality Manager

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. 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.



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Wuxi , China CN

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