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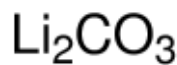
Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

Product Specification

Product Name:
Lithium carbonate - ACS reagent, ≥99.0%

Product Number: 255823
CAS Number: 554-13-2
MDL: MFCD00011084
Formula: CLi2O3
Formula Weight: 73.89 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Powder
X-Ray Diffraction	Conforms to Structure
Titration by HCL	≥ 99.0 %
Insoluble matter	≤ 0.01 %
C= 10%; Dilute HCl	
Calcium (Ca)	≤ 0.01 %
Chloride Content	≤ 0.005 %
Iron (Fe)	≤ 0.002 %
Heavy Metals	≤ 0.002 %
by ICP-OES	
Potassium (K)	≤ 0.01 %
Sodium (Na)	≤ 0.1 %
Nitrate (ppm)	≤ 5 ppm
Sulfur compounds	≤ 0.2 %
Recommended Retest Period	-----
4 Years	
Meets ACS Requirements	Current ACS Specification

Specification: PRD.2.ZQ5.10000050195

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.