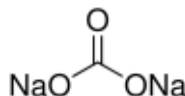


Certificate of Analysis

Product Name:

Sodium carbonate – powder, ≥99.5%, ACS reagent

Product Number: 223530
Batch Number: SLCJ2587
Brand: SIGALD
CAS Number: 497-19-8
MDL Number: MFCD00003494
Formula: CNa₂O₃
Formula Weight: 105.99 g/mol
Quality Release Date: 05 FEB 2021
Recommended Retest Date: FEB 2026



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder	Powder
Infrared Spectrum	Conforms to Structure	Conforms
Note	-----	-----
ACS tests		
Assay	≥ 99.5 %	99.9 %
Dried basis		
Insoluble Matter	≤ 0.01 %	0.00 %
Loss on Heating at 285°C	≤ 1.0 %	0.1 %
Chloride (Cl)	≤ 0.001 %	< 0.001 %
Phosphate (PO ₄)	≤ 0.001 %	< 0.001 %
Silica	≤ 0.005 %	< 0.005 %
Sulfur Compounds	≤ 0.003 %	< 0.003 %
as SO ₄		
Iron (Fe)	≤ 5 ppm	< 5 ppm
Calcium (Ca)	≤ 0.03 %	< 0.01 %
Magnesium (Mg)	≤ 0.005 %	< 0.005 %
Potassium (K)	≤ 0.005 %	< 0.005 %
Heavy Metals	< = 5 ppm	< 5 ppm
(by ICP-OES)		

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.



Certificate of Analysis

Product Number: 223530
Batch Number: SLCJ2587



Brian Dulle, Supervisor
Quality Assurance
St. Louis, Missouri US

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