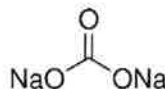


Certificate of Analysis

Product Name:

Sodium carbonate - ACS reagent (primary standard), anhydrous, 99.95-100.05% dry basis

Product Number: 223484
Batch Number: BCCJ3727
Brand: SIGALD
CAS Number: 497-19-8
Formula: CNa2O3
Formula Weight: 105,99 g/mol
Quality Release Date: 25 OCT 2022
Recommended Retest Date: AUG 2025



502304
S2597

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder	Powder
Titration with HCl (Dried Basis)	99.95 - 100.05 %	100.01 %
Loss on Drying	≤ 1.0 %	0.1 %
ICP Major Analysis Confirms Sodium Component	Corresponds to Requirements	Corresponds
Meets ACS Requirements	Corresponds to Requirements	Corresponds
ACS Specifications Insoluble Matter ≤ 0.01 %/Phosphate (PO4) ≤ 0.001 %/Silica (SiO2) ≤ 0.005 %	Corresponds to Requirements	Corresponds
Calcium (Ca)	≤ 200 mg/kg	< 200 mg/kg
Iron (Fe)	≤ 5 mg/kg	< 5 mg/kg
Potassium (K)	≤ 50 mg/kg	< 50 mg/kg
Magnesium (Mg)	≤ 40 mg/kg	< 40 mg/kg
Total Sulfur as SO4 (ICP)	≤ 30 mg/kg	< 30 mg/kg
Heavy Metal	≤ 5 mg/kg	< 5 mg/kg
Chloride (Cl)	≤ 10 mg/kg	< 10 mg/kg

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.

