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Product Specification

Product Name:

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

Product Number:

223484

CAS Number:

497-19-8

MDL:

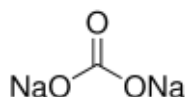
MFCD00003494

Formula:

CNa₂O₃

Formula Weight:

105.99 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Powder
Insoluble matter	≤ 0.01 %
Chloride (Cl)	≤ 0.001 %
Phosphate (PO ₄)	≤ 0.001 %
Silica (SiO ₂)	≤ 0.005 %
Sulfur compounds (as SO ₄)	≤ 0.003 %
Calcium (Ca)	≤ 0.02 %
Magnesium (Mg)	≤ 0.004 %
Potassium (K)	≤ 0.005 %
Titration with HCl Dried basis	99.95 - 100.05 %
Loss on Heating at 285°C	≤ 1.0 %
Iron (Fe)	< = 5 ppm
Heavy Metals by ICP-OES	< = 5 ppm
ICP Major Analysis Sodium Component	Confirmed
Recommended Retest Period 3 years	-----

Specification: PRD.6.ZQ5.10000009496

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.