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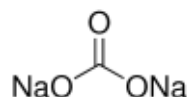
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## Product Specification

Product Name:  
Sodium carbonate – ACS reagent, anhydrous, ≥99.5%, powder or granules

**Product Number:** 222321  
**CAS Number:** 497-19-8  
**MDL:** MFCD00003494  
**Formula:** CNa<sub>2</sub>O<sub>3</sub>  
**Formula Weight:** 105.99 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form) Granular Powder	Conforms to Requirements
Titration by HCL (Dried Basis)	≥ 99.50 %
Loss on Drying At 285 Degrees Celsius	≤ 1.0 %
Insoluble matter C = 10%, H <sub>2</sub> O	≤ 0.01 %
Chloride Content	≤ 0.001 %
Iron (Fe)	≤ 5.0 ppm
Heavy Metals by ICP-OES	≤ 5.0 ppm
Calcium (Ca)	≤ 0.03 %
Potassium (K)	≤ 0.005 %
Magnesium (Mg)	≤ 0.005 %
Phosphate (PO <sub>4</sub> )	≤ 0.001 %
Sulfur compounds	≤ 0.003 %
Silica	≤ 0.005 %
Meets ACS Requirements	Current ACS Specification

Specification: PRD.1.ZQ5.10000050096

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](http://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.