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## Product Specification

Product Name:  
Sodium sulfate - ACS reagent, ≥99.0%, anhydrous, powder

**Product Number:** 238597  
**CAS Number:** 7757-82-6  
**MDL:** MFCD00003504  
**Formula:** Na<sub>2</sub>O<sub>4</sub>S  
**Formula Weight:** 142.04 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Powder
X-Ray Diffraction	Conforms to Structure
Purity (Titration by NaOH)	≥ 99.0 %
Loss on Ignition	≤ 0.5 %
Insoluble matter	≤ 0.01 %
Chloride Content	≤ 0.001 %
Iron (Fe)	≤ 0.001 %
Heavy Metals	≤ 5 ppm
by ICP-OES	
Miscellaneous Assay	≤ 5 ppm
Nitrogen Compounds	
pH	5.2 - 9.2
At 25 Degrees Celsius, c = 5%; Water	
Phosphate (PO <sub>4</sub> )	≤ 0.001 %
Calcium (Ca)	≤ 0.01 %
Magnesium (Mg)	≤ 0.005 %
Potassium (K)	≤ 0.01 %
Meets ACS Requirements	Current ACS Specification

Specification: PRD.1.ZQ5.10000004240

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.