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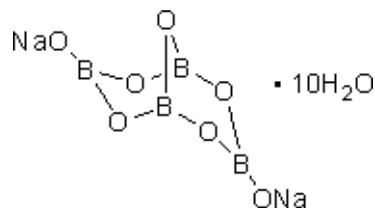
Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

Product Specification

Product Name:
Sodium tetraborate decahydrate - ACS reagent, ≥99.5%

Product Number: S9640
CAS Number: 1303-96-4
MDL: MFCD00149193
Formula: B₄Na₂O₇ · 10H₂O
Formula Weight: 381.37 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Powder or Crystals
Note	-----
ACS Tests	
Assay	99.5 - 105.0 %
Titration by NaOH	
Insoluble matter	≤ 0.005 %
pH	9.15 - 9.20
of a 0.01 M solution at 25 deg C	
Iron (Fe)	≤ 5 ppm
Phosphate (PO ₄)	Pass
< /= 0.001%	
Sulfate	Pass
< /= 0.005%	
Calcium (Ca)	≤ 0.005 %
Heavy Metals (as Lead)	Pass
< /= 0.001%	
Chloride (Cl)	Pass
< /= 0.001%	
Recommended Retest Period	-----
5 years	

Specification: PRD.1.ZQ5.10000007222

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.