

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

Product Specification

Product Name:

Sodium tetraborate decahydrate – BioXtra, ≥99.5%

Product Number:

B3545

CAS Number:

1303-96-4

MDL:

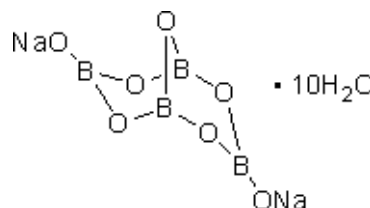
MFCD00149193

Formula:

Na₂B₄O₇ · 10H₂O

Formula Weight:

381.37 g/mol



TEST

Specification

Appearance (Color)

White

Appearance (Form)

Powder

Solubility (Color)

Colorless

Solubility (Turbidity)

Clear

0.1 M, H₂O

Insoluble matter

≤ 0.1 %

Chloride (Cl)

≤ 0.05 %

Sulfate (SO₄)

≤ 0.05 %

Aluminum (Al)

≤ 0.0005 %

Phosphorus (P)

≤ 0.001 %

Lead (Pb)

≤ 0.001 %

Iron (Fe)

≤ 0.001 %

Copper (Cu)

≤ 0.0005 %

Zinc (Zn)

≤ 0.0005 %

Calcium (Ca)

≤ 0.01 %

Magnesium (Mg)

≤ 0.0005 %

Potassium (K)

≤ 0.005 %

Ammonia (NH₄)

≤ 0.05 %

Titration with NaOH

99.5 - 105.0 %

Recommended Retest Period

5 years

Specification: PRD.0.ZQ5.10000036136

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.