

Certificate of Analysis

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Product Name: Boric acid

CAS Number: 10043-35-3

Catalog No.: 3177

EC Number: 233-139-2

Batch No.: 2

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: H_3BO_3
Batch Molecular Weight: 61.83
Physical Appearance: White solid
Solubility: water to 600 mM
Storage: Store at RT
Batch Molecular Structure: $\text{B}(\text{OH})_3$

2. ANALYTICAL DATA

Purity (titration): 99.9%
Chloride: <0.001%
Phosphate: 0.001%
Calcium: <0.001%
Heavy Metals (as Pb): <0.001%
Iron: 0.0002%
Sulfate: 0.002%

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

Product Information

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Product Name: Boric acid

CAS Number: 10043-35-3

IUPAC Name:

Catalog No.: 3177

EC Number: 233-139-2

Batch No.: 2

Description:

Widely used in buffers for electrophoresis.

Physical and Chemical Properties:

Batch Molecular Formula: H_3BO_3

Batch Molecular Weight: 61.83

Physical Appearance: White solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

water to 600 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

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