

**Certificate of Analysis****Product Name:** **Boric acid**

CAS Number: 10043-35-3

**Catalog No.:** 3177**Batch No.:** 2

EC Number: 233-139-2

**1. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Batch Molecular Formula:</b>	H <sub>3</sub> BO <sub>3</sub>
<b>Batch Molecular Weight:</b>	61.83
<b>Physical Appearance:</b>	White solid
<b>Solubility:</b>	water to 600 mM
<b>Storage:</b>	Store at RT
<b>Batch Molecular Structure:</b>	B(OH) <sub>3</sub>

**2. ANALYTICAL DATA**

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

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

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## Product Information

[www.tocris.com](http://www.tocris.com)**Product Name:** **Boric acid**

CAS Number: 10043-35-3

IUPAC Name:

**Catalog No.:** 3177**Batch No.:** 2

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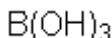
**Description:**

Widely used in buffers for electrophoresis.

**Physical and Chemical Properties:**Batch Molecular Formula: H<sub>3</sub>BO<sub>3</sub>

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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