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Hefei TNJ Chemical Industry Co.,Ltd.

B911 Xincheng Business Center,  
Qianshan Rd. Hefei 230022 China

Tel : (0086) 551 65418677

Fax: (0086) 551 65418697

Email: sales21@tnjchem.com

Site: www.tnchem.com

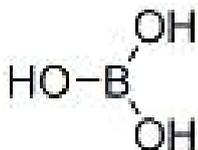
## Technical Data Sheet

### **Boric acid**

#### Product Information

Chemical Name Boric acid

Chemical Structure



CAS # 10043-35-3 / 11113-50-1

Formula  $H_3BO_3$

Molecular Weight 61.83

Synonyms Boron trihydroxide; Boracic acid

#### Description

White granules (Industry use); White crystalline powder (Pharma use), White flakes (Customized as customer's request).

#### Physical Properties

Melting point, 169 °C .

Boiling range, 300 °C .

Density @ 20°C, g/cm<sup>3</sup> 1.435

Water solubility 20°C, 49.5 g/l

## Specification

### 1) Borci acid Pharma. Grade BP2014

Item	Specification
Appearance	White or almost white, crystalline powder,
Solubility	Soluble in water and in ethanol (96 per cent)
Identification	A. The flame has a green border. B. Solution S (see Tests) is acid.
Appearance of solution	solution S is clear and colourless
pH	3.8 to 4.8 for solution
Solubility in ethanol (96 percent)	Not more opalescent than reference suspension II and is colorless.
Organic matter	No darken on progressive heating to dull redness.
Sulphates	Maximum 450 ppm.
Heavy metals	Maximum 15 ppm.
Assay	Not less than 99.0~100.5

### 2) Boric acid flakes 1~3mm / 3~5mm,as customer's request

Item	Specification
Appearance	White Flake
Assay, %	99.60~100.80
Water Insoluble, %	≤ 0.01
Sulphate, %	≤ 0.05
Chloride, %	≤ 0.01
Clarity degree of solution	Clear
Clarity of solution of ethyl ether	Clear
Heavy Metals (Pb), %	≤ 0.0005
Particle size, mm	As customized

## Applications

Boric acid is an important raw materials of glass, enamel, cosmetics, pharmaceutical, etc.

- Boric acid used as disinfectants and antiseptics; has effects of disinfection antiseptic, convergence, cleaning and mucous membrane and melt sticky secretion;
- Boric acid used as Pesticides;
- Boric acid used in Cosmetic industry;
- Boric acid used as PH value conditionaing agent;
- Boric acid used as high purity analysis reagent, etc.

## Packaging

25kg per fibre drum

9 MT per 20ft container with pallets, 12 MT without pallets.

**Safety & Storage & Handling**

Stored in cool and airy place; away from fire and heat; handle with care;no breakage, avoid leakage.  
It is valid for 2 years under proper condition.

\* Please refer to MSDS for more information about Safety, Storage and Transportation.