



## TECHNICAL DATA SHEET

IS 10116



CM/L - 7100020170

<b>Product</b>	: <b>Boric Acid Powder – Technical grade (IS 10116:2015)</b>
CAS No.	: 10043-35-3
Chemical formula	: $H_3BO_3$
Product description	: White crystalline/fine powder with a slippery or soapy feel
Packaging	: 25kg or 50kg Jute Bag with liner inside
Applications	: Synthesis of Various Boron derivatives : Glass and ceramics; Textile Fiberglass; Dyes and pigments industry : Wood preservation; Cellulose insulation; Enamel industry : Electroplating industry; Steel industry (ramming mass); Adhesive industry
Precautions	: Boric acid is chemically stable under normal condition of storage, However, it is advised to store in dry, cool and steady temperature conditions. Exposure to humid environment, it shows tendency for caking.

### ❖ Typical Properties of Boric acid powder

Sr. No.	Properties	Typical Value
1.	Appearance	White fine/crystalline powder
2.	Bulk Density	1120 kg/m <sup>3</sup>
3.	Solubility in Ethanol	Clear colourless solution
4.	Grade	Technical grade

### ❖ Chemical Analysis

Sr. No.	Parameter	Unit	Specification	Typical Value (Result)
1.	Purity (Assay)	% by mass	Min 99.5%	99.65
2.	$B_2O_3$	%	56.25-56.9%	56.6
3.	Chloride (Cl)	% by mass	0.05-0.15%	Complies
4.	Sulphate ( $SO_4$ )	% by mass	0.15-0.25%	Complies
5.	Particle size @ 250 mesh			99.7% passes

This TDS is to provide all necessary information about the product that customers must be aware of. Information given in this TDS is correct to the best of RASOHAM CHEMICALS's knowledge and understanding based on available information.

**RASOHAM CHEMICALS - ISO 9001:2015 certified company**

Plot no. D2/CH/374, GIDC, Galenda, Dahej-II,

Tal. Vagra, Dist. Bharuch 392130 – Gujarat (INDIA)

| Email: rasohamchemicals@gmail.com | www.rasohamchemicals.com

**Rasoham**  
CHEMICALS

**ISO**  
9001:2015