

## Technical data sheet

Product name: **Boric acid**

Grade: **Extra pure**

Chemical formula:  $H_3BO_3$

Molar mass: 61.83 g/mol

**Synonyms:** Orthoboric acid; Borofax

| General information        |                               |
|----------------------------|-------------------------------|
| Cas- No.                   | 10043-35-3                    |
| Ec-No.                     | 233-139-2                     |
| Appearance                 | colorless or white solid      |
| Boiling point              | N/A                           |
| Melting point              | 185°C(decomposition)          |
| Flash point                | N/A                           |
| Spec.density               | 1.44 g/cm <sup>3</sup> (20°C) |
| Vapour pressure            | 2.7 hpa(20°C)                 |
| Solub. In H <sub>2</sub> O | 50 g/l (21°C)                 |
| Storage temp               | ≤+30 °C                       |
| R:                         | N/A                           |
| S:                         | N/A                           |

| Specification               |                 |
|-----------------------------|-----------------|
| Assay                       | 99.5-100.5 %    |
| Identity(Borate)            | conforms        |
| Appearance                  | conforms        |
| pH value                    | 3.8-4.8(33 g/l) |
| Solubility in Alcohol       | conforms        |
| Loss on drying (silica gel) | ≤ 0.50 %        |
|                             |                 |
|                             |                 |
|                             |                 |
|                             |                 |
|                             |                 |

**Symbol:**



**packaging:**

| Available Pack | 1Kg | 5Kg | 10Kg |
|----------------|-----|-----|------|
| P.E            | *   | *   | *    |
| GLASS          | -   | -   | -    |