BORIC ACID
Specification

Valetime Limited
International Trade & Business Development

DETAILS

Name	BORIC ACID	**CAS No.**	10043-35-3
Alternative names	Acidum Boricum, Orthoboric acid, Boracic acid, Sassolite, Optibor, Borofax		
Molecular formula	$B(OH)_3$	**Molar Mass**	61.833 g/mol

SPECIFICATION – BORIC ACID

Test	Unit	Result	Testing method
B_2O_3	%, min	56.25	
Purity	%, min	99.90	
SO_4	ppm, max	500	
Cl	ppm, max	15	
Fe	ppm, max	20	

SIZE DISTRIBUTION – BORIC ACID

Size (mm)	Unit	Result / Content	Testing method
+ 1.000	%, max	4.00	
- 0.063	%, max	4.00	

APPLICATIONS

INDUSTRIAL — Used in Nuclear Power plants to slow the rate of fission. In the jewelry industry to is used in combination with denatured alcohol to reduce surface oxidation. Also used in the production of glass for flat panel displays. Boric Acid is also used in electroplating. Used in the manufacture of remming mass – a fine silica powder used for the production of induction furnace linings and ceramics.

INSECTICIDE — Used to control insects – cockroaches, termites, ants etc.
Safe for use in households and kitchens.

PRESERVATION — In combination as an insecticide, Boric Acid can prevent and destroy wet and dry rot.

LUBRICATION — Used in suspension in petroleum and vegetable oil to lubricate ceramic and metal surfaces.

MEDICINE — As an antiseptic for minor burns, cuts and dressings; anti-bacterial compound in acne treatment. Boric Acid is also used to treat yeast and fungal infections.

MISCELLANEOUS — Silly Putty, TBE buffer, DNA & RNA polyacrylamide, pyrotechnics – preventing amide-forming reactions, dissolves in methanol to produce green flames on ignition, added to salt in the curing of cattle hides, calf skins and sheep skins – controlling bacteria and insects.