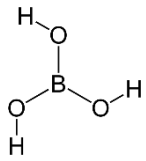
BORIC ACID

General Information

Chemical Formula	H_3BO_3
H.S. Code	28100020
CAS No.	10043-35-3
Molecular Weight	61.83 g/mol



Application

Fiber Glass and Glass	Boric compounds are important components in optical glass industry to reduce thermal and and mechanical shocks but to increase chemical resistance and durability.
Ceramics	Boric compounds are used to control the coefficient of expansion to ensure that the glaze glaze remains fixed with the body without crazing or distortion.
Pharmaceuticals and Cosmetics	It used as a pH buffer and as a moderate antiseptic agent and emulsifier.
Wood Preservatives and Pesticides	Boric acid are very effective in controlling and eliminating insects and fungi.

Specification

Chemical Specification

Property	Expected (ppm)	Maximum (ppm)
Sulphate (SO_4)	200	500
Chloride (Cl)	150	300
Iron (Fe)	4	8

Property	Range (%)
Boric Acid (H_3BO_3)	99.90 – 100.20
Boric Oxide (B_2O_3)	56.24 – 56.41
Boron (B)	17.46 – 17.52

Bulk Density	
	t / m^3
Typical Range	0.85 – 0.95

Granulometry Specifiction		
A.S.T.M Sieve N	μm	Retained %
20	850	1.5 Max

Packing

1000kg : Polypropylene bag with polyethylene liner
25kg : Polypropylene bag with polyethylene liner
25kg : paper bag with a polyethylene liner

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