



BORIC ACID

Granular and Powder H_3BO_3 technical grade 99.9%

- Origin: South-America -

06/2022

1/ CHARACTERISTICS

Molecular Weight	61.83
Purity like B element	17.4 % min.
Purity like B_2O_3	99.9 % min.

2/ GENERAL DESCRIPTION

Boric Acid is a white, crystalline and free-flowing product with a wide range of applications in ceramics, fiber glass, borosilicate glass, wood protection, cellulose insulation, metallurgy, flame retardants, corrosion inhibition, and in the agriculture industry as both fertiliser and growth regulator.

3/ CHEMICAL AND PHYSICAL PROPERTIES

B_2O_3	56.25 % min.
Sulphates (SO_4)	0.095 % max.
Chlorides (Cl^-)	0.07 % max.
Humidity	0.10 % max.

4/ SIEVE SPECIFICATION

<u>Granular:</u>	Mesh size ASTM N° 20 = 1% retained
<u>Powder:</u>	Mesh size ASTM N° 200 = 10% retained

5/ BULK DENSITY

<u>Granular:</u>	0.75 ton/m ³
<u>Impalpable:</u>	0.72 ton/m ³

6/ pH

pH = 3.8 (5% by weight of solution at 22 °C)

7/ PACKING

Boric Acid granular is available in 25 kg polyethylene bags or 1000 kg big bags.
Boric Acid powder is available in 25 kg polyethylene bags or 950 kg big bags.

8/ APPLICATIONS AND BENEFITS

AGRICULTURE & FERTILISER

Boron is an essential micronutrient for plant growth.
Boron fertilisers mixed with other compounds or NPK fertilisers are useful to boron-deficient soils.

WOOD PRESERVATIVES AND PESTICIDES

Borates and Boric Acid are very effective in controlling and eliminating insects and fungi. Though they are not harmful to mammals, they are toxic against cockroaches, ants, scarabs, larvae, and other insects, resulting in manipulation at any location and environment.

Other uses

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|-----------------------|-------------------------|---------------------------------|
| - Flame Retardant | - Fibre Glass and Glass | - Ceramics |
| - Corrosion Inhibitor | - Metallurgy | - Pharmaceuticals and Cosmetics |
- (Details upon request)