

## Boric acid Ultra Low Sulfate

Orthoboric acid, Boracic acid

White free-flowing granular material

$H_3BO_3$

CAS No. 10043-35-3

CHEMICAL SPECIFICATION			
Component	Unit	Content	Typical
$B_2O_3$	%	56.25 - 56.90	56.33
Purity	%	99.92 - 101.07	100.00
Fe	ppm	4.00 max	3.00
Cl	ppm	4.00 max	4.00
$SO_4$	ppm	12.00 max	10.00

PHYSICAL SPECIFICATIONS GRANULAR			
Mesh Size	Unit	Content	Typical
+ 18 mesh	%	4.00 max	2.00
-230 mesh	%	4.00 max	3.00

PHYSICAL SPECIFICATIONS POWDER			
Mesh Size	Unit	Content	Typical
+ 18 mesh	%	0.00 max	0.00
-120 mesh	%	45.00 min	50.00

### Other Properties

- Melting Point: 171°C
- Molecular Weight: 61.83 g/mol
- Specific Gravity: 1.51 g/cm<sup>3</sup>
- Solubility in Water: 4.89% by weight @ 20°C in saturated solution
- pH: 6.1 (0.1% solution); 5.1 (1.0% solution); 3.7 (4.7% solution)
- Bulk Density: 49.94 lbs/ft<sup>3</sup>

### Packaging

Boric acid Granular Technical is available in bulk, in 1 MT (2,205 lbs.) super sacks and in 25 kg net (55.1 lb. net) multiwall paper bags. Custom packaging is available.

Specification data is determined by Eti Maden analytical methods  
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