

## Borax Decahydrate Granular Technical

Sodium tetraborate decahydrate

White free-flowing granular material

$\text{Na}_2\text{B}_4\text{O}_7 \cdot 10\text{H}_2\text{O}$

CAS No. 1303-96-4

| CHEMICAL SPECIFICATION |      |            |         |
|------------------------|------|------------|---------|
| Component              | Unit | Content    | Typical |
| $\text{B}_2\text{O}_3$ | %    | 36.47 min  | 37.20   |
| $\text{Na}_2\text{O}$  | %    | 16.24 min  | 16.70   |
| Fe                     | ppm  | 10.00 max  | 3.00    |
| Cl                     | ppm  | 70.00 max  | 20.00   |
| $\text{SO}_4$          | ppm  | 135.00 max | 25.00   |
| Purity                 | %    | 99.90 min  | 99.95   |

| PHYSICAL SPECIFICATIONS |      |          |         |
|-------------------------|------|----------|---------|
| Mesh Size               | Unit | Content  | Typical |
| + 16 mesh               | %    | 4.00 max | 0.30    |
| -230 mesh               | %    | 4.00 max | 2.00    |

### Other Properties

- Melting Point : 741°C
- Molecular Weight: 381.37 g/mol
- Specific Gravity: 1.71- 1.73 g/cm<sup>3</sup> @ 20°C
- Solubility in Water: 4.70% by weight @ 20°C in a saturated solution
- pH: 9.26 (0.1% solution); 9.23 (1.0% solution); 9.32 (4.71% solution)
- Bulk Density: 62.43 lbs/ft<sup>3</sup>
- Dehydration: Begins 60 °C , complete 320 °C

### Packaging

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