

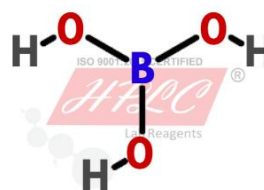


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## Product Specification

# BORIC ACID 99.5% FOR MOLECULAR BIOLOGY

**CAT. NO.** : MB0031  
**GRADE** : MB  
**CAS NO.** : 10043-35-3  
**FORMULA** :  $H_3BO_3$   
**M.W.** : 61.83



|                                        |                    |
|----------------------------------------|--------------------|
| Minimum assay(acidimetric)             | 99.5%              |
| pH (4 % solution in aq. water)         | 3.6-4.0            |
| DNase, RNase, Protease & Phosphatases: | None detected      |
| Insoluble matter                       | Passes filter test |
| Max. Abs. (0.05 mol/L water) at:       |                    |
| 260 nm                                 | 0.015              |
| 280 nm                                 | 0.010              |

### Maximum limits of impurities:

|                                        |          |
|----------------------------------------|----------|
| Loss on drying (5hrs; over silica gel) | 0.5%     |
| Chloride (Cl)                          | 0.0005%  |
| Phosphate (PO <sub>4</sub> )           | 0.0005%  |
| Sulphate (SO <sub>4</sub> )            | 0.0005%  |
| Heavy metal (as Pb)                    | 0.0005%  |
| Arsenic (As)                           | 0.00005% |
| Sodium (Na)                            | 0.005%   |

DATE: 01.07.2025

**Remarks:** The above-mentioned batch material is compliance with the standard specifications of High Purity Laboratory Chemicals Pvt. Ltd.



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