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**PRODUCT: BORAX**

**SPECIFICATION**

| ITEM                                                          | Specification                                                                         |                                                                                       |                                                                                     |
|---------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                               | Decahydrate                                                                           | Pentahydrate                                                                          | Anhydrous                                                                           |
| Appearance                                                    | White Powder                                                                          |                                                                                       |                                                                                     |
| Molecular Weight                                              | 381.38                                                                                | 291.35                                                                                | 201.22                                                                              |
| Sodium Borate Assay, %≥                                       | 99.5<br>(Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub> .10H <sub>2</sub> O)<br>0<br>) | 99.5<br>(Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub> .5H <sub>2</sub> O)<br>20<br>) | 99.5<br>(Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub> .H <sub>2</sub> O)<br>0<br>) |
| B <sub>2</sub> O <sub>3</sub> , %≥                            | 37-38                                                                                 | 48.5                                                                                  | 68.0                                                                                |
| Na <sub>2</sub> O, %≥                                         | 16-17                                                                                 | 21.5                                                                                  | 30                                                                                  |
| Sodium carbonate (Na <sub>2</sub> CO <sub>3</sub> )<br>%<br>≤ | 0.1                                                                                   | 0.1                                                                                   | 0.1                                                                                 |

|                                                       |       |       |       |
|-------------------------------------------------------|-------|-------|-------|
| Insoluble matter in water % ≤                         | 0.04  | 0.04  | 0.04  |
| Sodium Sulfate (Na <sub>2</sub> SO <sub>4</sub> ) % ≤ | 0.2   | 0.2   | 0.2   |
| Sodium Chloride (NaCl) % ≤                            | 0.03  | 0.03  | 0.03  |
| Iron (Fe) % ≤                                         | 0.002 | 0.002 | 0.002 |

