

# Chem-Impex International, Inc.

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## Product Specifications

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

|                          |   |
|--------------------------|---|
| <b>Catalogue Number</b>  | 01301   |
| <b>Product</b>           | <b>Sodium tetraborate decahydrate</b><br><br>Borax decahydrate<br><br>Sodium borate decahydrate |
| <b>CAS Number</b>        | 1303-96-4   |
| <b>Molecular Formula</b> | $\text{Na}_2\text{B}_4\text{O}_7 \cdot 10\text{H}_2\text{O}$                                    |
| <b>Molecular Weight</b>  | 381.4   |

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|-------------------------------|---|
| <b>Warnings</b>               | <i>Irritant!</i>  |
| <b>Appearance</b>             | White powder or crystals  |
| <b>Solubility</b>             | Freely soluble in boiling water and in glycerin. Soluble in water & insoluble in alcohol  |
| <b>Heavy Metals</b>           | ≤ 0.001% (as Pb)  |
| <b>Anion</b>                  | Chloride (Cl <sup>-</sup> ): ≤ 0.001%<br>Phosphate (PO <sub>4</sub> <sup>3-</sup> ): ≤ 0.001%<br>Sulfate (SO <sub>4</sub> <sup>2-</sup> ): ≤ 0.005% |
| <b>Cation</b>                 | Calcium (Ca): ≤ 0.005%<br>Iron (Fe): ≤ 5 ppm  |
| <b>pH</b>                     | 9.15 - 9.20 at 25 °C in 0.01 M solution   |
| <b>Carbonate</b>              | Carbonate & Bicarbonate : To pass test  |
| <b>Insoluble material</b>     | ≤ 0.005%  |
| <b>Assay by titration</b>     | 99.5 - 100.5%   |
| <b>Grade</b>                  | ACS reagent   |
| <b>Storage</b>                | Store at RT   |
| <b>Additional Information</b> | Identification : To pass test   |

# *Product Specifications*

Catalog Number: 01301

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**For Laboratory Use Only**