

# Technical Data Sheet

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Item Name:

# BORAX

## PRODUCT INFORMATION

|                    |                                                              |
|--------------------|--------------------------------------------------------------|
| Chinese Name:      | 四硼酸钠（十水）                                                     |
| Commodity Name:    | Sodium Tetraborate Decahydrate                               |
| Chemical Name:     | Sodium Tetraborate Decahydrate                               |
| Other Name:        | Disodium Tetraborate, Boric Acid Sodium Decahydrate          |
| CAS No.:           | 1303-96-4                                                    |
| Molecular Weight:  | 381.37                                                       |
| Molecular Formula: | $\text{Na}_2\text{B}_4\text{O}_7 \cdot 10\text{H}_2\text{O}$ |

## PRODUCT DESCRIPTION

Colorless transparent crystals or white crystalline powder. Odourless, taste salty, with characteristics of weathering. Slightly soluble in cold water, soluble in hot water, glycerin, slightly soluble in ethanol.

When absorbing moisture in the air it becomes hydrate formation and opaque, slowly dissolve in water.

## TECHNICAL SPECIFICATION

| Index                            | Standard     |
|----------------------------------|--------------|
| Appearance                       | White powder |
| Sodium borate by wt %            | 95 min       |
| $\text{B}_2\text{O}_3$ by wt %   | 36.4 min     |
| $\text{Na}_2\text{O}$ by wt %    | 16.4 min     |
| $\text{Na}_2\text{CO}_3$ by wt % | 0.2 max      |
| Iron (Fe) by wt %                | 0.005 max    |
| Chloride (NaCl) by wt %          | 0.5 max      |

## MAIN APPLICATION

Used as raw material of sweetening agent; Used as diionic cleaning agent with the best performance; Used as raw material for bleaching agent of pulp; Used as raw material for vulcanizator, catalyst, disinfectant, fire retardant; Used as raw material for the production of dye and pigment; Used as raw material for Electroplating additive.

## PACKING AND SHELF LIFE

Packing: 25kg/bag

Shelf Life: 24 months when stored in cool, dry and ventilated warehouse, away from incompatible materials.

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