

# Technical Data Sheet

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Item Name:

## TSP Anhydrous

### PRODUCT INFORMATION

|                    |                                 |
|--------------------|---------------------------------|
| Chinese Name:      | 无水磷酸三钠                          |
| Commodity Name:    | TSP Anhydrous (Tech Grade)      |
| Chemical Name:     | Trisodium Phosphate Anhydrous   |
| Other Name:        | Tri Sodium Phosphate Anhydrous  |
| CAS No.:           | 7601-54-9                       |
| Molecular Weight:  | 164.26                          |
| Molecular Formula: | Na <sub>3</sub> PO <sub>4</sub> |

### PRODUCT DESCRIPTION

It is colorless or white crystal, powder or crystalline granule. It's odorless, easily soluble in water but insoluble in organic solvent.

### TECHNICAL SPECIFICATION

| Index                                                | Standard     |
|------------------------------------------------------|--------------|
| Appearance                                           | White powder |
| Purity (As Na <sub>3</sub> PO <sub>4</sub> ) by wt % | 97.0 min     |
| Sodium Oxide (As Na <sub>2</sub> O) by wt %          | 36-40        |
| P <sub>2</sub> O <sub>5</sub> content by wt %        | 39.5 min     |
| Sulphates (As SO <sub>4</sub> ) by wt %              | 0.5 max      |
| Loss on drying by wt %                               | 2.0 max      |
| Water insoluble by wt %                              | 0.2 max      |
| Whiteness                                            | 92 min       |
| pH value (10g/L)                                     | 11.5-12.5    |
| Particle size (by wt % pass 100mesh sieve)           | 90 min       |

### PACKING, LOADING AND SHELF LIFE

Packing: 25kg PP bag with PE liner

Loading: 25mt/20'fcl with pallet, 27mt/20'fcl w/o pallet

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

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