

Technical Data Sheet

Version: 1.0
Page 1, Total 1

Date: 18 / 6 / 2026



Item Name:

TSP Anhydrous

PRODUCT INFORMATION

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

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 ₃ PO ₄) by wt %	97.0 min
Sodium oxide (as Na ₂ O) by wt %	36-40
P ₂ O ₅ content by wt %	39.5 min
Sulphates (as SO ₄) 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
Heavy metal (as Pb) by ppm	10 max
Lead (as Pb) by ppm	4 max
Arsenic (As) content by ppm	3 max
Fluoride (F) content by ppm	50 ppm
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.

DISCLAIMER

The information provided in this data sheets is for informational purposes only is considered reliable, but Rawchem doesn't guarantee how any other products associated with this information will behave in combination with variables to other matters. It's recommended to make adaptations to local working conditions and to the raw material to be used.