

Technical Data Sheet

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Item Name:

TSP

PRODUCT INFORMATION

Chinese Name:	十二水磷酸三钠
Commodity Name:	TSP (Food Grade)
Chemical Name:	Trisodium Phosphate Dodecahydrate
Other Name:	Sodium Phosphate Tribasic Dodecahydrate, TSP dodecahydrate
CAS No.:	10101-89-0
Molecular Weight:	380.12
Molecular Formula:	$\text{Na}_3\text{PO}_4 \cdot 12\text{H}_2\text{O}$

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 crystalline powder
Purity (As $\text{Na}_3\text{PO}_4 \cdot 12\text{H}_2\text{O}$) by wt %	98.0 min
Sodium oxide (As Na_2O) by wt %	16.0-19.0
P_2O_5 content by wt %	18 min
Sulphates (As SO_4) by wt %	0.5 max
Iron (As Fe) by wt %	0.02 max
Water insoluble by wt %	0.1 max

MAIN APPLICATION

In food processing industry, it is used as buffering agent, emulsifier, anti-caking agent, antioxidant additive, nutrition supplement and metal chelating agent.

Used as analytical reagent and soft water agent, but also for the purification of sugar.

PACKING, LOADING AND SHELF LIFE

Packing: 25kg PP bag with PE liner

Loading: 25mt/20'fcl

Shelf Life: 12 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.