

Tri sodium phosphate Dodecahydrate

SPECIFICATION

Specification No.	VCPL/SPEC/QC/40
Grade	Pure/crystals
Molecular formula	Na ₃ PO ₄ .12H ₂ O
Molecular weight	380.12
CAS No.	10101-89-0
Also known as	TSP, Sodium phosphate tribasic.

Appearance	Visual observation	A colourless crystals or white crystals or granules
Solubility (10% solution in water)	% w/v	Clear & colourless solution
PH (1% solution)	% w/v	11.5 – 12.5
Assay	% w/w	Min. 98.0%
Phosphate (as P₂O₅)	% w/w	Min. 18.3%
Chloride (as Cl)	% w/w	Max. 0.05%
Sulphate (as SO₄)	% w/w	Max. 0.01%
Soluble Iron (as Fe)	% w/w	Max. 0.001%
Insoluble Substances	% w/w	Max 0.10%
Free sodium hydroxide (as NaOH)	% w/w	Max. 2.5%
Arsenic	% w/w	Max. 0.0005%
Heavy Metals (as Pb)	% w/w	Max. 0.001%

***Storage:-** Store under the roof in well closed bags/container. Do not expose to direct sunlight.

Note:- This paper is digitally signed.

