

4108 – TRI SODIUM ORTHOPHOSPHATE (DODECAHYDRATE), AR GRADE

REF NO: TBL/QA/SS/LC/4108	STANDARD SPECIFICATION FOR TRI SODIUM ORTHOPHOSPHATE (DODECAHYDRATE), AR GRADE	Rev. No: 03
Issue No: 04		Review Date: 21/03/2025
Issue Date: 22/03/2022		Product code: 4108

PRODUCT PROPERTIES

C.A.S Number	10101-89-0
Chemical Formula	H ₂₄ Na ₃ O ₁₆ P
Formula weight	380.12
Functional Uses	Trisodium phosphate dodecahydrate can be used in the textile, printing and dyeing, paper, power generation, chemical industry and it is often used as water softener and boiler cleaning agent.
Standard Packaging	500 gm, 5 Kg, 50 Kg.

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White crystalline powder.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Chloride (Cl)	NMT – 0.005%
Lead (Pb)	NMT – 0.0005%
Sulphate (SO ₄)	NMT – 0.005%
Free Alkaline (as NaOH)	NMT – 2.0%
Total Nitrogen (N)	NMT – 0.001%
Iron (Fe)	NMT – 0.001%
Potassium(K)	NMT – 0.005%
Assay	NLT – 99.0%

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.