

4111– SODIUM THIOSULPHATE, (PENTA), AR GRADE

REF NO: TBL/QA/SS/LC/4111	STANDARD SPECIFICATION FOR SODIUM THIOSULPHATE, (PENTA), AR GRADE	Rev. No: 03
Issue No: 04		Review Date: 21/03/2025
Issue Date: 22/03/2022		Product code: 4111

PRODUCT PROPERTIES

C.A.S Number	10102-17-7
Chemical Formula	$\text{Na}_2\text{S}_2\text{O}_3 \cdot 5\text{H}_2\text{O}$
	248.18
Functional Uses	Sodium thiosulfate pentahydrate is used as an antioxidant and chelating agent in pharmaceutical formulations and cosmetics.
Standard Packaging	500 gm

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	Colourless crystals.
Solubility	Soluble in water

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
pH (5% soln. at 25°C)	6.0 – 8.5
Chloride (Cl)	NMT – 0.01%
Sulphate & sulphite (SO_4)	NMT – 0.03%
Copper (Cu)	NMT – 0.0005%
Iron (Fe)	NMT – 0.0005%
Heavy Metals (Pb)	NMT – 0.0005%
Sulphide (S)	NMT – 0.0001%
Assay	NLT – 99.5%

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

