



SODIUM THIOSULPHATE PENTA

PHYSICO-CHEMICAL CHARACTERISTICS

Formula	: Na ₂ S ₂ O ₃ *5H ₂ O
Molecular weight	: 248.18
Synonyms	: Sodium hyposulphite pentahydrate
Bulk density	: 0.90 kg/dm ³ approx.
Water solubility	: 47% at 0°C and 63% at 20°C approx.
Crystals size	: from powder to coarse crystals (grains shape)

QUALITATIVE CHARACTERISTICS

Appearance of the product	white-translucent crystals	
Appearance of the 20% soln	clear and colourless or pale yellow	
Assay	% Na ₂ S ₂ O ₃ *5H ₂ O	> 98.5
Total alkalinity	% NaOH	< 0.02
Acidity	% H ₂ SO ₄	< 0.01
Sulphites	% SO ₃	< 0.5
Sulphides	mg/kg as S	< 4
Iron	mg/kg as Fe	< 10
Heavy metals	mg/kg as Pb	< 10

The product meets the requirements of ANSI PH 4.250 (1980) and ISO 10636 (1991).

The indicated values are intended as determined according to our standard analysis methods.

STANDARD PACKAGING

25 kg paper bags with polyethylene inner

STORAGE

Keep out from wet and hot environment! Store the product in a dry and cool place.

MAIN USES

- In photographic industry, as essential component in fixing baths and solid fixer formulations.
- In tanneries as auxiliary in tanning process.
- In textile, water treatment or paper industry for the removal of excess of chlorine.
- In oil industry for the production of corrosion inhibitors.
- In chemical synthesis (ex. as reducer, etc.).
- In drilling water (oil extracting industry).

FOR HANDLING INFORMATION PLEASE CONSULT THE SAFETY DATA SHEET.

THIS TECHNICAL DATA SHEET IS IDENTIFIED AS **NTS POL1 (0620) E3**