

SPECIFICATION

Product Name: Tetra Sodium Pyrophosphate Technical Grade
Chemical Formula: $\text{Na}_4\text{P}_2\text{O}_7$
CAS Number: 7722-88-5
Molecular Weight: 141.96 g/mol
Appearance: White Powder
Odor: Odorless

Chemical Composition

Parameter	Unit	Typical Value	Specification (Min/Max)
PH of 1% in Water	%	10.3%	10.2% to 10.5%
P2O5 by wt.	%	53%	52.5 to 54.0%
Assay	%	99.32%	Min. 98.5%

Physical Properties

- Solubility: Freely soluble in water. Insoluble in alcohol. Slightly alkaline PH of aqueous solution.

Shelf Life & Storage

- Shelf Life: 2-3 years from date of manufacture under recommended storage.
- Storage Conditions: Store in a cool, dry, and well-ventilated area. Keep container tightly closed to avoid moisture absorption (hygroscopic nature). Protect from humidity and water exposure. Avoid contact with acids, as it can react and degrade. Keep away from heat and direct sunlight.

Applications

- Use: Acts as a builder in detergents. Used as a sequestering agent to control hardness. Functions as a dispersing agent. Improves fluidity of clay suspensions. Used in bleaching and dyeing processes. Helps in removing metal ions that interfere with dyes. Used in drilling muds as a dispersant.
- Dosage: Depends on the application, formulation, and water hardness.

Packaging

- Standard Packing: 25 kg woven PP bags with inner liner, 1 kgs and 100 grams, or as per customer requirement.
- Labeling: Product name, batch number, net weight, manufacture date, expiry date, and manufacturer details.

* Specifications are based on the manufacturer's provided specifications.