

Sodium Tripolyphosphate (STPP)

Food-grade sequestrant and water-retention phosphate for qualified food-processing formulations.

CAS No. 7758-29-4	EC / List No. 231-838-7	Transport Non-dangerous goods
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Product Information

Food-grade sequestrant and water-retention phosphate for qualified food-processing formulations.

Specifications

Parameter	Specification
Appearance	White powder
Assay	≥95.0 %
P2O5	≥57.0 %
Heavy metals, as Pb	≤0.001 %
pH	9.5–10.5
Water-insoluble matter	≤0.05 %

Grade-specific supply limits. The agreed specification and batch COA govern delivery.

Typical Properties

Property	Typical Value
Molecular formula	Na ₅ P ₃ O ₁₀
Molecular weight	367.86 g/mol

Applications

Meat-processing phosphate systems: Ingredient for selected permitted meat-processing systems.

Seafood formulation development: Phosphate for technically supervised seafood formulation trials.

Protein emulsification and sequestration: Ingredient for qualified protein emulsions and metal-ion management.

Packaging / Storage

Item	Information
Packing	25 kg net kraft paper bags
Storage	Store tightly closed in a cool, dry, well-ventilated place. Protect from moisture, excessive heat, direct sunlight and incompatible chemicals.
Shelf life	Two years in intact original packaging stored cool and dry.
Handling	Provide effective ventilation during powder transfer. Wear suitable protective gloves, safety goggles and work clothing. Avoid airborne dust, ingestion and unnecessary skin or eye contact.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
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