

Tetrasodium Pyrophosphate (TSPP)

Alkaline phosphate sequestrant and emulsifying ingredient for qualified food formulations.

CAS No. 7722-88-5	EC / List No. 231-767-1	Transport Non-dangerous goods
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Product Information

Alkaline phosphate sequestrant and emulsifying ingredient for qualified food formulations.

Specifications

Parameter	Specification
Appearance	White powder
Assay	≥96.5 %
Water-insoluble matter	≤0.2 %
pH	9.9–10.7
Loss on drying	≤0.5 %
Fluoride	≤10 ppm
Arsenic	≤2 ppm
Heavy metals, as Pb	≤10 ppm
Lead	≤4 ppm
Mercury	≤1 ppm
Cadmium	≤1 ppm

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

Typical Properties

Property	Typical Value
Molecular formula	Na ₄ P ₂ O ₇
Molecular weight	265.90 g/mol

Applications

Food sequestration systems: Phosphate ingredient for qualified metal-ion sequestration concepts.

Protein and meat formulation: Ingredient for selected permitted protein-processing formulations.

Emulsifying phosphate development: Alkaline phosphate for qualified emulsification concepts, including permitted cheese formulations.

Packaging / Storage

Item	Information
Packing	25 kg kraft bags
Storage	Store hygroscopic powder tightly closed in a cool, dry, ventilated place. Protect from moisture and contamination; segregate from strong acids and oxidizing agents.
Handling	Control dust with local ventilation. Wear protective gloves, chemical splash goggles and a face shield where splashing or heavy dust exposure can occur. Provide accessible eyewash facilities and avoid ingestion.

Company Contact

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