

Sodium Hexametaphosphate (SHMP)

Food-grade sequestrant and emulsifying phosphate for qualified food formulations.

CAS No. 10124-56-8	EC / List No. 233-343-1	Transport Non-dangerous goods
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Product Information

Food-grade sequestrant and emulsifying phosphate for qualified food formulations.

Specifications

Parameter	Specification
Appearance	White powder
Total phosphate, as P ₂ O ₅	≥67.0 %
Inactive phosphate, as P ₂ O ₅	≤7.5 %
pH	5.8–7.2
Water-insoluble matter	≤0.02 %
Arsenic	≤2 ppm
Heavy metals, as Pb	≤10 ppm
Fluorine	≤10 ppm
Iron	≤100 ppm
60-mesh fineness	≥85 %

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

Typical Properties

Property	Typical Value
Molecular formula	Glassy sodium polyphosphate
Molecular weight	Variable with phosphate chain length

Applications

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

Dairy and protein formulations: Ingredient for selected permitted protein-system emulsification and stabilization.

Meat and seafood development: Phosphate for technically supervised meat and seafood formulation trials.

Packaging / Storage

Item	Information
Packing	25 kg kraft bags
Storage	Store tightly closed in a cool, dry, ventilated place. Protect hygroscopic powder from moisture and excessive heat; segregate from strong acids, bases and oxidizing agents.
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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