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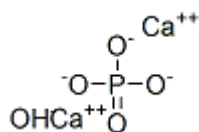
Site: www.tnjchem.com

Technical Data Sheet

Hydroxyapatite

Product Information

Chemical Name	Hydroxyapatite
CAS #	1306-06-5
Formula	Ca ₅ HO ₁₃ P ₃
Molecular Weight	502.31
Chemical Structure	



Description

Hydroxyapatite is bone substitute materials, plastic and cosmetic surgery, dental, chromatography purification, calcium supplement, is currently widely used in manufacturing new material with the tip of the teeth or bones composition, hydroxyapatite has good biocompatibility and biological activity, and can be used as a factor, bones, or teeth for teeth in the field of oral health has good mineralization, desensitization and whitening effect.

Physical Properties

White fine powder. Does not dissolve in water Organic solvent	
Melting point .	1100 °C(lit.)
Storage conditions	- 20 ° C
Solubility	H ₂ O: 0.3 mg/mL, the clear and colorless

Specification

Item	Pharma grade
Appearance	White fine powder
Calcium,%	23~25.5
Phosphorus,%	9~11.5
Arsenic ,%	≤0.001

Acid insolubles ,%	≤0.1
Moisture, %	≤5
Heavy metal	≤ 0.001
Assay (on dry basis), %	99.0~102.0
Particle size(nm)	20

Safety

Always refer to the Material Safety Data Sheet (MSDS)

Applications

Hydroxyapatite is bone replacement materials, plastic and cosmetic surgery, dental, chromatography purification, calcium supplement, is currently widely used in manufacturing with the tip of the teeth or bones composition new stuff.

Packaging

25kg per fiber drum
9mt per 20ft container

Storage & Handling

Do not store in direct sunlight. Store in a tightly closed container.
Store in a cool, dry, well-ventilated area away from incompatible substances.
Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation.
Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Keep container tightly closed.
Avoid ingestion and inhalation.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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