



Tech

Technical Data

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DICALCIUM PHOSPHATE, ANHYDROUS USP

GENERAL DESCRIPTION:

Dicalcium Phosphate, Anhydrous is a white, odorless, and tasteless powder. It is stable in air and produced in accordance with the U.S. Food & Drug Administration.

APPLICATIONS

- ◆ Food: fortification of cereals and other processed food
- ◆ Dentifrice: polishing agent
- ◆ Pharmaceutical: manufacture of tablets, source of calcium and phosphorous in nutritional supplements

PHYSICAL & CHEMICAL PROPERTIES:

- ◆ **Appearance:** White crystalline powder
- ◆ **Odor:** Odorless
- ◆ **Physical State:** Solid
- ◆ **pH (20% slurry):** 7.6
- ◆ **Solubility in Water:** Insoluble

SPECIFICATIONS

Assay CaHPO_4 , as is	98.0% – 105.0%
Loss on Ignition	7.0% - 8.5%
Chloride (Cl)	0.25% max.
Fluoride (F)	0.005% max.
Sulfate (SO_4)	0.5% max.
Arsenic (As)	3 ppm maximum
Lead (Pb) (FCC Test)	2 ppm maximum
Carbonate (CO_3)	Passes Test
Barium (Ba)	Passes Test
Acid Insolubles	0.2% maximum
Wet Sieving	
on 200 mesh	0.1% maximum
on 325 mesh	1.0% maximum

HANDLING & STORAGE:

Handling: This is a food ingredient intended for human consumption. Keep containers closed when not being used.

Storage: Store in closed containers. Store in an area that is cool, dry, sanitary, isolated from all toxic and harmful substances. This product is hygroscopic and tends to cake on storage.

[For more detail about product handling & safety info, please refer to the Material Safety Data Sheet](#)