

Product Information

DICALCIUM PHOSPHATE, ANHYDROUS USP/FCC GRADE

DESCRIPTION

Dicalcium Phosphate, Anhydrous is a white, odorless, tasteless powder. It is stable in air. European Pharmacopoeia (EP 3rd ed.) Certificates of Analysis are available on request.

NOMENCLATURE

Dicalcium Phosphate, Anhydrous
Dibasic Calcium Phosphate, Anhydrous

FORMULA

CaHPO₄

CAS NUMBER

7757-93-9

FORMULA WEIGHT

136.06

CAS INDEX NAME

Phosphoric Acid, Calcium Salt (1:1)

STORAGE

Store at room temperature

MINIMUM ORDER

One Pallet

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
Heavy Metals (as Pb)	0.003% maximum
Wet Sieving	
on 200 mesh	0.1% maximum
on 325 mesh	1.0% maximum

USES

Dentifrice

As a polishing agent.

Pharmaceutical

In the manufacture of pharmaceutical tablets and as a source of calcium and phosphorus in nutritional supplements.

Food

Fortification of cereals and other processed foods.

CERTIFICATES

Includes Kosher, NAFTA and others.

SHELF LIFE

36 Months

LABEL DECLARATION

Dicalcium Phosphate, Anhydrous

MANUFACTURING LOCATION

Chicago Heights, IL

SHIPPING POINTS

Chicago Heights, IL

CONTAINERS

50-pound net weight Paper Bags
200-pound net weight Fiber Drums

TYPICAL PROPERTIES

pH (20% slurry)	7.6
Calcium (as is)	29.1%
Phosphorus (as is)	22.6%
Lead (Pb)	< 0.25 ppm
Wet Sieving	
on 200 mesh	0.01%
on 325 mesh	0.4%
Tapped Bulk Density (lbs per cubic ft)	80
Solubility:	
Practically insoluble in water but readily soluble in dilute hydrochloric and nitric acids insoluble in alcohol.	

Organic Volatile Impurities (OVI): As determined by our knowledge of our process and raw materials, this product will meet the OVI requirements listed in the USP /NF, current edition.

06/19/06