

## Dicalcium Phosphate Dihydrate

### General Characteristics:

<b>Formula:</b>	CaHPO <sub>4</sub> ·2H <sub>2</sub> O
<b>Appearance:</b>	White powder
<b>Molecular weight:</b>	172.09
<b>Odor:</b>	Odorless
<b>CAS Number:</b>	[7789-77-7]
<b>EINECS No.:</b>	231-826-1
<b>INS:</b>	341(ii)
<b>Solubility:</b>	Almost insoluble in water, insoluble in ethanol, soluble in acid.

### Nutritional Values:

Nutrient	Nutrient Quantity
Energy in Kcal	none
Energy in Kjoules	none
Protein(N X 6.25)	none
Protein (N X 5.7)	none
Total Trans Fatty Acids	none
Cholesterol	none
Total Carbohydrates	none
Carbohydrates as Sugars	none
Carbohydrates as Starch	none
Carbohydrates as Polyols	none
Added Sugar	none
Alcohol (Carrier)	none
Reducing Sugar	none
Moisture (Max)	none
Dietary Fiber	none
Ash	100g/100gr
Sodium	none
Calcium	23,100mg/100gr

### Uses:

- Calcium fortification food.
- Aerated agent、Nutritional supplements.
- Stability agent、Toothpaste friction agent.

### Packing and storage:

- 25kg/net paper bag and PE bags sealed inside.
- Store in a well-closed bag at room temperature, protect from light, moisture and pest infestation.
- Shelf life---two years

## **Microbiological Specification:**

Total viable count	1000CFU/gr.max
Yeast&Molds	50CFU/gr.max
E.Coli	Absent
Shigella	Absent
S. aureus	Absent
S.hemolyticus	Absent
Salmonella	Absent

## **GMO-Status:**

The product is a non GMO product and is free from any recombinant DNA.

## **Irradiation/Radioactivity:**

Yunbo's Dicalcium phosphate was never subjected to any kind of ionized irradiation and contains no radioactivity not even in minor amounts.

## **BSE/TSE:**

No raw materials from bovine origin are used nor are any bovine constituents present in the product.

## **Specifications(USP/BP/E341( i i )/FCC:**

Test Parameter	Specifications
Assay 【 Calcium, asCaHPO4 】 %	97.0%~105.0%
Appearance	White powder or odorless granular
Identification A	Positive for phosphate
Identification B	Positive for calcium
Identification C	It complies with the limits of the assay
Loss on drying	≤1.0%
Loss on ignition	24.5%~26.5%
Heavy metal(as Pb)	≤0.003%
Mercury	≤1.0ppm
Arsenic	≤3.0ppm
Cadmium	≤1.0ppm
Chloride	≤0.25%
Sulfate	≤0.5%
Acid-insoluble substances	≤0.2%
Carbonate	To pass the test
Barium	To pass the test
Limit of fluoride	≤50.0ppm