



EPOCH MASTER GLOBAL BUSINESS(JIANGSU)INC.

RM.3-93,TENGFEI BUILDING,NO.88 JIANGMIAO RD., RESEARCH AND INNOVATION PARK,

NANJING ZONE,(JIANGSU) PILOT FREE TRADE ZONE ,CHINA

## Tricalcium Phosphate

### General Characteristics:

<b>Product code:</b>	TopCal_TCPL380805
<b>Formula:</b>	$\text{Ca}_3(\text{PO}_4)_2$ ; $\text{Ca}_5\text{OH}(\text{PO}_4)_3$ ; $\text{Ca}_{10}(\text{OH})_2(\text{PO}_4)_6$
<b>Molecular weight:</b>	310.18; 502.31; 1004.61
<b>Appearance:</b>	White non-qualitative powder
<b>Odor:</b>	Odorless, tasteless
<b>CAS Number:</b>	[ 7758-87-4]; [ 1306-06-5]; [62974-97-4]
<b>EINECS No.:</b>	231-840-8
<b>INS:</b>	341(iii)
<b>Solubility:</b>	Insoluble in ethanol and acetone, slightly soluble in water, soluble in hydrochloric acid and nitric acid.

### Uses:

- Food-nutritional supplement in food、 yeast food.
- Animal oil refining auxiliaries、 antitackiness agent.
- PH regulator、 buffering agent.
- Free-flow agent for dry beverage and other food products.
- A source of calcium and phosphorus in nutritional supplements.

### Packing and Storage:

- 10kg/ 20kg/ 25 kg per bag, A multiply paper bag with poly inner liner.
- 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	10,00cfu/gr.max
Yeast&Molds	25cfu/gr.max
E.Coli	Absent in 10 gr.

### GMO-Status:

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

### Irradiation/Radioactivity:

Yunbo's Tricalcium 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.



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## Specifications(USP/E341(iii)/FCC):

Test Parameter	Ph.Eur	USP-NF	E341(iii)	FCC
Appearance	White or almost white powder	White or almost white powder	White or almost white powder	Occurs as a white powder
Identification A	Passes test	Passes test	Passes test	Passes test
Identification B	Passes test	Passes test	Passes test	Passes test
Identification C	It complies with the limits of the assay			
Assay 【as Ca】	35.0%~40.0%	34.0%~40.0%		34.0%-40.0%
Assay 【ignited basis】			≥90.0%	
P <sub>2</sub> O <sub>5</sub>			38.5-48.0%	
Loss on ignition	≤8.0%	≤8.0%	≤8.0%	≤10.0%
Heavy metal(as Pb)		≤0.003%		
Mercury			≤1.0ppm	
Arsenic	≤4.0ppm	≤3.0ppm	≤1.0ppm	≤3.0ppm
Lead			≤1.0ppm	≤2.0ppm
Cadmium			≤1.0ppm	
Aluminium			≤150.0ppm	
Chloride	≤0.15%	≤0.14%		
Sulfate	≤0.5%	≤0.8%		
Fluoride	≤0.0075%	≤0.0075%	≤0.005%	≤0.0075%
Water-soluble substances		≤0.5%		
Acid-insoluble substances	≤0.2%	≤0.2%		
Carbonate		To pass the test		
Barium		To pass the test		
Dibasic salt and calcium oxide		To pass the test		
Limit of fluoride	≤75.0ppm	≤75.0ppm	≤50.0ppm	≤75.0ppm
Iron	≤400.0ppm			

Specification	Product Code	Granularity (μm/325mesh)	Density BD(g/ml)
Topcal	TopCal_TCPL380805	5μm	0.35

佰阿斯达国际贸易(江苏)有限公司  
EPOCH MASTER GLOBAL BUSINESS(JIANGSU)INC.

李兵波

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