



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

SPECIFICATION

PRODUCT NAME: Tricalcium Phosphate
ORIGIN:CHINA

Product Description

General Characteristics:

Formula: $\text{Ca}_3(\text{PO}_4)_2$; $\text{Ca}_5\text{OH}(\text{PO}_4)_3$; $\text{Ca}_{10}(\text{OH})_2(\text{PO}_4)_6$

Molecular weight: 310.18; 502.31; 1004.61

Appearance: White non-qualitative powder

Odor: Odorless, tasteless

CAS Number: [7758-87-4]; [1306-06-5]; [62974-97-4]

EINECS No.: 231-840-8

INS: 341(iii)

Solubility: 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.



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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.

GMO-Status:

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



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Specification	Product Code	Granularity (μm /325mesh)	Density BD(g/ml)
Heavy	H361000	325 mesh	0.50-0.80
Medium	M380800	325 mesh	0.35-0.50
Medium	M400500	325 mesh	0.35-0.50
Light	L380805	5 μm	<0.35
Light	L380807	7 μm	<0.35
Light	L380812	12 μm	<0.35
Topcal	TopCal TCPL380805	5 μm	0.35
EPS	TCP-EPS	5 μm	<0.35

Specifications(EP/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】			$\geq 90.0\%$	
P2O5			38.5-48.0%	
Loss on ignition	$\leq 8.0\%$	$\leq 8.0\%$	$\leq 8.0\%$	$\leq 10.0\%$
Heavy metal(as Pb)		$\leq 0.003\%$		
Mercury			$\leq 1.0\text{ppm}$	
Arsenic	$\leq 4.0\text{ppm}$	$\leq 3.0\text{ppm}$	$\leq 1.0\text{ppm}$	$\leq 3.0\text{ppm}$
Lead			$\leq 1.0\text{ppm}$	$\leq 2.0\text{ppm}$
Cadmium			$\leq 1.0\text{ppm}$	
Aluminium			$\leq 150.0\text{ppm}$	
Chloride	$\leq 0.15\%$	$\leq 0.14\%$		
Sulfate	$\leq 0.5\%$	$\leq 0.8\%$		
Fluoride	$\leq 0.0075\%$	$\leq 0.0075\%$	$\leq 0.005\%$	$\leq 0.0075\%$
Water-soluble substances		$\leq 0.5\%$		



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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			

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

LI BINGBO (1)