

PCHA50

Formula: $\text{Ca}_{10}(\text{OH})_2(\text{PO}_4)_6$ Product: Calcium Phosphate, Tribasic Food Grade Other names: Tricalcium Phosphate (TCP)- $\text{Ca}_3(\text{PO}_4)_2$ Calcium Hydroxyapatite $\text{Ca}_{10}(\text{OH})_2(\text{PO}_4)_6$ Precipitated Calcium Phosphate- $\text{Ca}_5\text{OH}(\text{PO}_4)_3$ INS: E341iii IUPAC: Tricalcium bis (phosphate) MW: 1004.61 g/mol CAS#: [7758-87-4]; [62974-97-4][1306-06-5] Appearance: White powder, stable in air Taste: Tasteless Odor: Odorless Solubility: Almost insoluble in water Insoluble in alcohol Shelf Life: 3 Years Storage: Store in cool dry place.	PCHA50	
	Typical	
	Particle Size: 50.0 μm Packed Density: 28lb/ft ³ D98 less than: 50.0 μm D90: 22.0 - 25.0 μm D50: 5.50 - 7.5 μm	

Chemical/Physical Parameters			ADDITIONAL PARAMETERS	
Analysis	Specification	Typical	Bovine Constituents	None
Assay Ca	34.0-40.0 %	38.0 %	Recombinant DNA	None
Arsenic	<3.0 ppm	<1.0 ppm	Hormones/Antibiotics	None
Fluoride	<75.0 ppm	<50.0 ppm	Insecticides	None
Lead	<2.0 ppm	<0.5 ppm	GMO's	None
Loss on ignition	<10.0 %	5.0 %	Artificial Colors	None
pH	6.0-7.5	7.0	Irradiation/Radioactivity	None
Density (ASG)	0.408-0.513	0.455 g/cc	NUTRITIONAL VALUES	
D50:	5.5- 7.5 μm	6.0 μm	Fat	None
D90:	22.0-25.0 μm	23.0 μm	Calories	None
D98:	< 50.0 μm	49.5 μm	Protein	None
			Vitamins	None
			Carbohydrates	None
			Calcium	34—40%
			Phosphates	55.2—57.2%

Complies with the latest Food Chemical Codex (FCC).

Main uses: Flow agent, anti-caking agent, calcium/phosphorus fortification. *Refer to NEI Application Sheet for additional uses.

Certifications/Registers: Halal, Kosher, FDA, SQF Certified Facility.

Vegetarians: NEI's TCP is well suited for vegetarians and vegan diets.

Raw Materials: NEI uses domestically sourced raw materials low in heavy metals to ensure production of high-quality food grade TCP.

HACCP: HACCP practices are followed throughout the manufacturing process to ensure compliance with Good Manufacturing Practices (GMP) Guidelines.

Product Usage Guideline: The product is Generally Recognized as Safe (GRAS) when used in conjunction with GMPs.

Disclaimer: The values listed above are best estimates of what can be expected to be found in the product due to variability in production methodology.

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