

PCHA10

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.	PCHA10 (Ultra Fine)	Typical
	Particle Size: 10.0 μm Packed Density: 25lb/ft ³ D98 less than: 10.0 μm D90 less than: 9.5 μm D50 less than: 3.5 μm	

Chemical/Physical Parameters			ADDITIONAL PARAMETERS	
Analysis	Specification	Typical		
Assay Ca	34.0-40.0 %	38.0 %	Bovine Constituents	None
Arsenic	<3.0 ppm	<1.0 ppm	Recombinant DNA	None
Fluoride	<75.0 ppm	<50 ppm	Hormones/Antibiotics	None
Lead	<2.0 ppm	<0.5 ppm	Insecticides	None
Loss on ignition	<10.0 %	5.0 %	GMO's	None
pH	6.0-7.5	7.0	Artificial Colors	None
Density (ASG)	0.370-0.455	0.408	Irradiation/Radioactivity	None
D50:	<3.5 μm	3.0 μm	NUTRITIONAL VALUES	
D90:	<9.5 μm	7.0 μm	Fat	None
D98:	<10.0 μm	9.8 μm	Calories	None
			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.

Natural Enrichment Industries
 1801 W. Oak Street Herrin, IL 62948
 Ph: 618-942-2112
www.neitcp.com
sales@neitcp.com
 Effective 10/18/2023

