

PCHA20

Formula:	Ca ₃ (PO ₄) ₂	PCHA20 (Fine)	
Product:	Tricalcium Phosphate (TCP) Food Grade		
Other names:	Precipitated Calcium Phosphate- Ca ₅ OH(PO ₄) ₃ Calcium Hydroxyapatite- Ca ₁₀ (OH) ₂ (PO ₄) ₆	Particle Size:	20.0 µm
INS:	E341iii	Packed Density:	20lb/ft ³
IUPAC:	Tricalcium bis (phosphate)	D98 less than:	20.0 µm
MW:	310.18 g/mol	D90 less than:	12.0 µm
CAS#:	[7758-87-4] [1306-06-5]; [62974-97-4]	D50 less than:	5.0 µm
Appearance:	White, amorphous powder		
Taste:	Tasteless		
Odor:	Odorless		
Solubility:	Almost insoluble in water Insoluble in alcohol		
Shelf Life:	3 Years		
Storage:	Store in cool dry place.		

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)	0.400-0.500	0.444	NUTRITIONAL VALUES	
D50:	3.5- 5.0 µm	4.0 µm	Fat	None
D90:	8.0-12.0 µm	11.5 µm	Calories	None
D98:	< 20.0 µm	19.5 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.

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