

# EU100A

<b>Formula:</b> $\text{Ca}_3(\text{PO}_4)_2$ <b>Product:</b> Tricalcium Phosphate (TCP) Food Grade <b>Other names:</b> Precipitated Calcium Phosphate- $\text{Ca}_5\text{OH}(\text{PO}_4)_3$ Calcium Hydroxyapatite- $\text{Ca}_{10}(\text{OH})_2(\text{PO}_4)_6$ <b>INS:</b> E341iii <b>IUPAC:</b> Tricalcium bis (phosphate) <b>MW:</b> 310.18 g/mol <b>CAS#:</b> [7758-87-4] [1306-06-5]; [62974-97-4] <b>Appearance:</b> White, amorphous powder <b>Taste:</b> Tasteless <b>Odor:</b> Odorless <b>Solubility:</b> Almost insoluble in water Insoluble in alcohol <b>Shelf Life:</b> 3 Years <b>Storage:</b> Store in cool dry place.	<b>EU100A</b>	<b>(E341iii)</b> Typical
	Particle Size: 100.0 $\mu\text{m}$ Packed Density: 31lb/ft <sup>3</sup> D90 less than: 80.11 $\mu\text{m}$ D50 less than: 8.22 $\mu\text{m}$	

Chemical/Physical Parameters			ADDITIONAL PARAMETERS	
Analysis	Specification	Typical		
Assay Ca	34.0-40.0 %	38.0 %	Bovine Constituents	None
Arsenic	<1.0 ppm	<1.0 ppm	Recombinant DNA	None
Aluminum	<200.0 ppm	<175.0 ppm	Hormones/Antibiotics	None
Cadmium	<1.0 ppm	<0.5 ppm	Insecticides	None
Fluoride	<50.0 ppm	<50.0 ppm	GMO's	None
Lead	<1.0 ppm	<0.5 ppm	Artificial Colors	None
Mercury	<1.0 ppm	<1.0 ppm	Irradiation/Radioactivity	None
Loss on ignition	<10.0%	5.0 %	<b>NUTRITIONAL VALUES</b>	
pH	6.0-7.5	7.0	Fat	None
Held on 140 Mesh.	<0.50 %	0.2 %	Calories	None
Through 325 mesh	>95.0 %	99.0 %	Protein	None
Density (ASG)	0.455-0.548	0.500	Vitamins	None
			Carbohydrates	None
			Calcium	34—40%
			Phosphates	55.2—57.2%

Complies with latest Food Chemical Codex and COMMISSION REGULATION (EU) No 231/2012 of 9 March 2012 on food additives

**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 Fluoride, heavy metals, & Aluminum 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:** Product above 150 ppm in Aluminum is not to be used in foods for infants and small children per EUFSA Guidelines and regulations.

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