EU100A Custom

Formula:	$Ca_{10}(OH)_2(PO_4)_6$
Product:	Calcium Phosphate, Tribasic Food Grade
Other names:	Tricalcium Phosphate (TCP)- $Ca_3(PO_4)_2$
	Calcium Hydroxyapatite $Ca_{10}(OH)_2(PO_4)_6$
	Precipitated Calcium Phosphate- $Ca_5OH(PO_4)_3$
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.

EU100A (E341iii) Typical

Particle Size:	100.0 µm
Packed Density:	31lb/ft3
D90 less than:	80.11 µm
D50 less than:	8.22 µm

Chemical/Physical Parameters

Analysis	Specification	Typical
Assay Ca	34.0-40.0 %	38.0 %
Arsenic	<1.0 ppm	<1.0 ppm
Aluminum	<200.0 ppm	<175.0 ppm
Cadmium	<1.0 ppm	<0.5 ppm
Fluoride	<50.0 ppm	<50.0 ppm
Lead	<1.0 ppm	<0.5 ppm
Mercury	<1.0 ppm	<1.0 ppm
Loss on ignition	<10.0%	5.0 %
pH	6.0-7.5	7.0
Held on 140 Mesh.	<0.50 %	0.2 %
Through 325 mesh	>95.0 %	99.0 %
Density (ASG)	0.455-0.548	0.500 g/cc

ADDITIONAL PARAMETERS

Bovine Constituents	None
Recombinant DNA	None
Hormones/Antibiotics	None
Insecticides	None
GMO's	None
Artificial Colors	None
Irradiation/Radioactivity	None

NUTRITIONAL VALUES

Fat	None
Calories	None
Protein	None
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.

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.

NEI NATURAL ENRICHMENT INDUSTRIES MADE IN AMERICA

SQF

Our regulatory & FSQA documents are on TraceGains Network tracegains.com/net