

**TRICALCIUM PHOSPHATE , ANHYDROUS GRANULAR
TRI-CAL WG™
NATIONAL FORMULARY GRADE/FOOD CHEMICALS CODEX GRADE**

DESCRIPTION	TRI-CAL WG™ brand Tricalcium Phosphate is a white, odorless and tasteless granular solid, which complies with the specifications of the National Formulary (current edition). TRI-CAL WG™ brand also complies with the specifications of Food Chemicals Codex (current edition).
USES	<u>Food</u> √ A nutritional supplement in processed foods. <u>Pharmaceutical</u> √ Mineral supplement, wet granulation excipient in tablet manufacturing.
NOMENCLATURE	Tricalcium Phosphate (commercial name) Tribasic Calcium Phosphate Calcium Phosphate, Tribasic Calcium Hydroxide Phosphate Tricalcium Orthophosphate Hydroxyapatite
FORMULA	$10\text{CaO} \cdot 3\text{P}_2\text{O}_5 \cdot \text{H}_2\text{O}$ (approx.)
FORMULA WEIGHT	1004.6 (approx.)
CAS NUMBER	12167-74-7; 1306-06-5
CAS INDEX NAME	Calcium Hydroxide Phosphate; Phosphoric Acid, Calcium Salt (2:3); Hydroxyapatite
E/INS NUMBER	341 (iii)
RE-TEST DATE	36 months after the date of manufacturing
CERTIFICATES	Includes Kosher, NAFTA, HALAL and others.
LABEL DECLARATION	Tricalcium Phosphate
GRADE(S)	National Formulary Grade Food Chemicals Codex Grade

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MANUFACTURING LOCATION(S) Chicago Heights, IL

SHIPPING POINTS Chicago Heights, IL

STORAGE Store at room temperature

CONTAINERS 50 lb net weight paper bags (R/C 20058815B50)
 2000 lb net weight Super Sacks (R/C 20058815B2M)

SPECIFICATIONS

Assay, Calcium, Ca, as is	34.0% - 40.0%	
Loss on ignition	8.0% max	
Arsenic (as As)	3 ppm max.	
Heavy Metals (As Pb)	0.003% max.	
Lead	2 ppm max.	
Water Solubles	0.5% max.	
Acid Insolubles	0.2% max.	
Carbonate (CO ₃)	Passes Test	
Chloride (Cl)	0.14% max.	
Flouride (as F)	0.0075% max	
Nitrate	Passes Test	
Sulfate (SO ₄)	0.8% max.	
Barium	Passes Test	
Dibasic Salt & Calcium Oxide	Passes Test	
Sieving		
On 20 mesh	0.0% max.	
On 40 mesh	5% max.	
On 100 mesh	45% - 65%	
Through 325 mesh	30% max	

TYPICAL PROPERTIES

Calcium	37.6%		
Phosphorus	17.3%		
PH (20% aqueous slurry)	6.8		
Lead	<0.25 ppm		
Sieving:			
On 20 mesh	0%		
On 40 mesh	1%		
On 100 mesh	54%		
On 325 mesh	15%		
Tapped Bulk Density (pounds per cubic foot)	65		

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