

DI-TAB® DICALCIUM PHOSPHATE DIHYDRATE GRANULAR (PHARMA) USP/EP/JP

Product description:	The workhorse of the dietary supplement industry for over 40 years.
Benefits:	Excipient for improving tablet compressibility as well as a source for calcium and phosphorus
Composition:	Dicalcium Phosphate Dihydrate (CAS # 7789-77-7)
Alternative names:	Dibasic Calcium Phosphate Dihydrate Phosphoric Acid, Calcium Salt (1:1) Calcium Phosphate, Dihydrate (1:1) Calcium Hydrogen Phosphate Dihydrate Calcii Hydrogenophosphas Dihydricus
Applications:	<ul style="list-style-type: none"> • Diluent for direct compression of tablets for dietary supplements, nutritional tablets, and other market applications using tablet delivery systems • Source of calcium and phosphorus in nutritional supplements

TYPICAL PROPERTIES:

Molecular formula:	CaHPO ₄ ·2H ₂ O
Molecular weight:	172.1 g/mol
Appearance: *	White granular
Odor: *	Odorless
Flavor: *	Tasteless
pH (20% slurry): *	7.0-8.0
Identification A: *	White precipitate forms

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Identification B: *	Yellow precipitate forms
Assay as CaHPO₄·2H₂O: *	98.0-105.0%
Calcium content:	23.3% (typical)
Phosphorus content:	18.1% (typical)
Particle size: *	
On 20 mesh	1.0% Max
On 40 mesh	2.0% Max
On 100 mesh	40.0-80.0%
Through 325 mesh	5.0% Max
Solubility:	Practically insoluble in cold water and in ethanol (96%). It dissolves in dilute hydrochloric acid and in dilute nitric acid.
Additional information on composition: *	
Arsenic (As)	3 ppm Max
Fluoride (F)	50 ppm Max
Lead (Pb)	0.25 ppm Max
Sulfate (S)	0.50% Max
Chloride (Cl)	2500 ppm Max
Heavy metals (as Pb)	30 ppm Max
Carbonates	No effervescence
Barium	No turbidity in 10 mins
Iron (Fe)	400 ppm Max
Acid insoluble substances	0.2% Max
Loss on ignition	24.5-26.5%
Total aerobic microbial count	1000 cfu/g Max
Total yeast/mold count	100 cfu/g Max

*These parameters are listed in the COA.

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Regulatory:	USP/EP/JP European Commission Non-BE, Halal, Kosher ISO: ISO-9001: 2008 (NSH-ISR) BSE/TSE: No materials of animal origin are used Residual Solvents: The product is free of Residual Solvents USMCA
Storage:	Store at room temperature
Additional information:	25 kg net wt. paper bags – Resource Code F110BG0019 55 kg net wt. fiber drums – Resource Code F110DR0021 500 kg net wt. super sacks - Resource Code F110SS0071 Transport Inland International Legislation (RID-ADR) Sea freight (OMI) Air freight (IATA) RETEST DATE: 36 months after the date of manufacture Manufacturing Site: Chicago Heights, IL Shipping Location: Chicago, IL
Contact information:	Customer service: 1-800-243-5052 Email: customerservice@innophos.com

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