
CALIPHARM® D DICALCIUM PHOSPHATE DIHYDRATE POWDER (PHARMA)

Product description:	Ideal for nutritional drinks, vitamin premixes, and triturations.
Benefits:	Tablet and capsule diluent 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">• Used as an excipient in the manufacture of medicinal and nutraceutical products• 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 powder
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 200 mesh	0.1% Max
On 325 mesh	1.0% 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
Carbonate	No effervescence
Barium	No turbidity in 10 mins
Iron (Fe)	400 ppm Max
Acid insoluble substances	0.20% 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 Non-BE, Halal, Kosher ISO: ISO-9001: 2015 (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 F110BG0014 50 kg net wt. fiber drums – Resource Code F110DR0083 Transport Inland International Legislation (RID-ADR) Sea freight (OMI) Air freight (IATA) RETEST DATE: 36 months from 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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