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SPECIFICATION SHEET

VitaPress®- Dicalcium phosphate dihydrate, unmilled

Item Code: 074

Country of Origin: China

Molecular Formula: CaHPO₄·2H₂O

Molecular Weight: 172.09

TEST ITEMS	SPECIFICATIONS	TEST METHODS
Description	White, free-flowing granular powder	Visual
Identification	A & B Positive	USP32
Loss on Ignition	24.5% - 26.5%	USP32<733>
Carbonate	No effervescence occurs	USP32
Chloride	≤0.25%	USP32<221>
Sulfate	≤0.5%	USP32<221>
Barium	Pass Test	USP32
Heavy Metals	≤10 ppm	USP32<213>Method 1
Iron (as Fe)	≤30 ppm	USP32
Lead	≤1 ppm	ICP-MS
Arsenic	≤1 ppm	USP32<211>
Acid-insoluble substances	≤0.2%	USP32
Fluoride	≤0.005%	USP32
Organic Volatile Impurities	Absent	USP32<467>Method 4
Residual Solvents	Absent	USP32<467>
Magnetic Impurities	Absent	USP32
pH (20% Water Solution)	7.0 - 7.8	USP32
Particle Size:		USP32
Through USS #20	100%	
Cum. Retained USS #100	80%	
Through USS #325	Typically <1%	
Assay (CaHPO ₄ ·2H ₂ O)	98.0% - 103.0%	USP32
Assay (CaO)	Typically 32.45%-32.55%	USP32
Assay (Ca, without ignition)	Typically 23.2%-23.3%	USP32
Phosphorus content (calculated basis)	≥18.0%	---
Microbiology:		
Total Plate Count	≤1,000 cfu/g	USP32
Yeast & Mold	≤100 cfu/g	USP32
E. coli	Negative	USP32
Salmonella	Negative	USP32

Conclusion: Meets USP32 requirements

Shelf life: 4 years under normal storage conditions

Storage: Well-sealed bags, away from moisture, strong light & heat

Packing: In bags of 25 kgs

- Kosher certified

Updated: 09/2012

Gayathri Vasudevan

Manager, Quality Assurance & Regulatory