

Item Number	C1890D	Lot Number	3GF0026
Item	Anhydrous Dibasic Calcium Phosphate , Directly Compressible Grade, USP		
CAS Number	7757-93-9		
Molecular Formula	CaHPO ₄	Molecular Weight	136.06

TEST		SPECIFICATION MIN	MAX	RESULT
GENERAL CHARACTERISTICS				
APPEARANCE		FREE FLOWING WHITE GRANULES		COMPLIES
TASTE		TASTELESS		COMPLIES
ODOR		ODORLESS		COMPLIES
SOLUBILITY		IN ETHANOL & WATER -INSOLUBLE IN DILUTE HCl - SOLUBLE IN DILUTE NITRIC ACID - SOLUBLE		COMPLIES
IDENTIFICATION A,B (USP)		COMPLIES		COMPLIES
ACID-INSOLUBLE SUBSTANCES (USP)			0.2%	0.17%
CARBONATES (USP)		COMPLIES		COMPLIES
CHLORIDE (Cl) (USP)			0.25%	< 0.25%
FLUORIDE (USP)			50 ppm	22 ppm
SULFATE (USP)			0.5 %	< 0.5%
ARSENIC (As) (USP)			3 ug/g	< 3 ug/g
BARIUM (USP)		COMPLIES		COMPLIES
HEAVY METALS (USP)			30 ppm	< 30 ppm
ASSAY(CaHPO ₄) (USP)		98.0 - 103.0%		99.85%
LOSS ON IGNITION(800 TO 825 °C) (USP)		6.6 - 8.5%		8.10%
RESIDUAL SOLVENTS (USP)		COMPLIES		COMPLIES
ADDITIONAL TEST				
LEAD (ICP-MS)			1.0 ppm	COMPLIES
CADMIUM (ICP-MS)			1.0 ppm	COMPLIES
MERCURY (ICP-MS)			0.1 ppm	COMPLIES
IDENTIFICATION C (BP/EP)		98.0 - 103.0%		99.85%
IRON (BP/EP)			400 ppm	< 400 ppm
PHYSICAL ANALYSIS				
BULK DENSITY	LOOSE	0.70 g/ml		0.73 g/ml
	TAPPED	0.85 g/ml		0.86 g/ml
SIEVE ANALYSIS/ PARTICLE SIZE		1.0% Maxi. Retained on 18# BSS (850 micron)		0.03%
		2.0% Maxi. Retained on 36# BSS (425 micron)		0.4%
		40.0% Mini. Retained on 100# BSS (150 micron)		51.2%
		60.0% Maxi. Passing through 100# BSS (150 micron)		48.8%
		25.0% Maxi. Passing through 200# BSS (75 micron)		5.8%
		5.0% Max. Passing through 350# BSS (45 micron)		2.9%

MICROBIOLOGICAL PURITY TEST			
TOTAL AEROBIC MICROBIAL COUNT		1000CFU/G	25 CFU/G
TOTAL YEAST & MOULD COUNT		100 CFU/G	<10 CFU/G
ESCHERICHIA COLI		ABSENT/10G	ABSENT/10G
SALMONELLA		ABSENT/10G	ABSENT/10G
PSEUDOMONAS AERUGINOSA		ABSENT/10G	ABSENT/10G
STAPHYLOCOCCUS AUREUS		ABSENT/10G	ABSENT/10G
EXPIRATION DATE			31-DEC-2021
MANUFACTURE DATE			01-MAY-2017

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