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CERTIFICATE OF ANALYSIS

Product	Dibasic Calcium Phosphate Dihydrate					
Grade	BP/USP					
Report No.	Batch No.	Batch Qty.	Mfg :Date	Exp: Date	Quantity	Drug lic no.
#57/23-24	#57/23-24	3000 kg	Apri, 2023	5 Years	100 gm	G- 1498

General Characteristics

Appearance	White or almost white, crystalline granules	Complies
Taste	Tasteless	Complies
Odor	Odorless	Complies
Solubility	Practically insoluble in water and in ethanol(96 percent) It Dissolve in dilute hydrochloric acid and in dilute nitric acid	Complies

CHEMICAL ANALYSIS

Properties	Unit	Mini	Maxi	Result
Identification A, B & C	--	--	--	Complies
Acid insoluble substances	%	--	0.2	0.074
Carbonates	--	No effervescence should be produced	With hcl	Complies
Chlorides	%	--	0.25	<0.125
Fluorides	Ppm	--	0.005	0.002
Lead	Ppm	--	1	0.75
Cadmium	Ppm	--	1	0.63
Mercury	Ppm	--	0.6	0.4
Sulphates	%	--	0.5	<0.5
Arsenic	Ppm	--	1.0	<1.0
Barium	--	No turbidity should	Be produced	Complies
Heavy metals (as Pb)	Ppm	--	40	<40
Iron	Ppm	--	400	<400
Loss on ignition(800°C to 825°)	%	24.5	26.5	25.94
Nitrate	--	To Pass Test	To Pass Test	Complies
Reducing Substances	--	To Pass Test	To Pass Test	Complies
Protenous Impurities	--	To Pass Test	To Pass Test	Complies
Mono Calcium and Tri Calcium Phosphate	ml	11.0	12.5	11.6
Assay(Dihydrate)	%	98.0	105	100.83

Microbiological Analysis

Total Aerobic microbial count	In House	Cfu/gm	--	1,000	Complies
Total yeast and mold count		Cfu/gm	--	100	Complies
Escherichia Coli		Absent/g	--	Absent/g	Complies
Salmonella		Absent/g	--	Absent/g	Complies
Pathogens		Absent	--	Absent	Complies
O V I (ORGANIC VOLATILE IMPURITIES)		Meets the requirement	--	Meets	Complies
B S E / TSE		Absent	--	Absent	Complies

	Analyzed by	Checked by	Approved by
Signature	Gaurang Patel <i>G. M. Patel</i>	Kiran Mistry <i>Kiran</i>	Rushil Barot <i>Rushil</i>