



**QUALITY CONTROL
CERTIFICATE OF ANALYSIS**

NT-0026
R# 17444
6-26-23

Product: **DIBASIC CALCIUM PHOSPHATE USP (Dihydrate)**

Batch No.: M23030005

Mfg. Date: March'2023

Re-evaluation Date: February'2028

Grade: Granular

Batch Size: 1.000 MT

Sr. No.	TESTS	SPECIFICATIONS	RESULTS
1.	Description	White Crystalline Odorless Powder	Complies
2.	Solubility	To comply with the test	Complies
3.	Identification A, B	To comply with the test	Complies
4.	Acid insoluble substances	Not more than 0.2%	Complies
5.	Arsenic	Not more than 3 ppm	Complies
6.	Sulphates	Not more than 0.5%	Complies
7.	Chloride	Not more than 0.25%	Complies
8.	Fluorides	Not more than 50 ppm	Complies
9.	Loss on ignition (800°C TO 825°C)	24.5 and 26.5%	25.68%
10.	Carbonate	To comply with the test	Complies
11.	Barium	To comply with the test	Complies
12.	Assay	NLT 98.0 % and NMT 105.0 %	100.30%
MICROBIAL ANALYSIS (In House)			
13.	Total Aerobic Microbial Count	N.M.T. 1000 cfu/g	< 100 cfu/g
14.	Total Yeast and Mould Count	N.M.T. 100 cfu/g	< 20 cfu/g
15.	Salmonella	Absent/g	Absent
16.	Escherichia Coli	Absent/g	Absent
17.	Pseudomonas Aeruginosa	Absent/g	Absent
18.	Staphylococcus Aureus	Absent/g	Absent
PHYSICAL PARAMETERS			
19.	PH	5.50 to 8.00	7.82
20.	Moisture (60°C)	1.0% Max.	0.12 %
21.	Particle Size / Sieve Analysis	As Per Party specification	Complies
22.	Bulk density Loose	1.0 g/ml Max.	1.00 g/ml
23.	Tapped density	1.20 g/ml Max.	1.17 g/ml

The above product is declared as Standard quality as specified in USP.

Storage recommendation: Preserve in tight containers


Kirit Patel
Quality Control

AMSTER MICROCELL PVT. LTD.

Survey No. 131, Chadasna, Nr D.K. Industrial Estate, Behind Chhatral GIDC Phase III,

Chhatral - Ambapura Road, Tal Kadi, Dist. Mehsana - 384450 Gujarat, India

Email : info@amstermicrocell.com www.amstermicrocell.com

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