



PRACHIN CHEMICAL

CERTIFICATE OF ANALYSIS

The DRUGS AND COSMETICS ACT 1940 and the RULES there under

BRAND NAME: PARCEL-SD102	Product Name: Micro Crystalline Cellulose USP45 pH- 102 (SPRAY DRIED)
Batch No :PR/P/MCC-0009/24	A.R. No.: PR/P/MCC-0009/24
Mfg. Date: Jan-24	Sample Qty: 2 x 90 gm
Exp. Date: Dec-28	Sample Drawn : 22/01/24
Batch Size: 20060kg	Testing Date : 22/01/24
Mfg. Lic. No.: G/25/1653	Completion Date : 27/01/24

S.NO.	TESTS	RESULT	SPECIFICATION
1	Description	Fine, White powder	Fine, white or almost white powder. It consists of free-flowing, nonfibrous particles
2	Solubility	Complies	Practically insoluble in sodium hydroxide solution (1 in 20); insoluble in water, in dilute acids, and in most organic solvents.
3	Identification: (A) (B) (C)	Complies Complies Complies	By IR Substance becomes violet – blue. The degree of polymerization is NMT 350
4	Conductivity	64 μ S-cm ⁻¹	NMT 75 μ S-cm ⁻¹
5	pH	6.23	5.0 to 7.5
6	Loss on Drying	3.4%	NMT 7.0 %
7	Residue on Ignition	0.05 %	NMT 0.1 %
8	Bulk density	0.31	0.26 to 0.36 g/ml
9	Water soluble substances	0.14%	NMT 0.25 % w/w
10	Ether soluble substance	Complies	NMT 0.05% w/w
11	Sieve Analysis: 60 mesh 200 mesh	4.5% 48.3%	NMT 8.0% NLT 45.0%
12	<u>Microbial Limit Test</u> Aerobic counts Yeast & Mould count S. aureus E.coli Pseudomonas aeruginosa Salmonella species	130cfu/g 35cfu/g Absent Absent Absent Absent	NMT 1000 cfu/g NMT 100 cfu/g Absent Absent Absent Absent

REPORT: In the opinion of the undersigned, the sample submitted complies with the USP Specification.

Signature of QC Chemist:

Date:

[Signature]
29/01/24

Signature of QC In charge:

Date:

[Signature]
29/01/24

Signature of QA In charge:

Date:

[Signature]
29/01/24

