



Quality Control
CERTIFICATE OF ANALYSIS

Product	Microcrystalline Cellulose USP	Batch no	: 90750366
Customer Name	Aastrid International Pvt Ltd.	Mfg. Month	: May/2020
Grade	ACCF1-200	Exp Month	: Apr/2025
NQA	USP 40	Batch Qty	: 3000Kgs.

Sr. No	Test	Specification	Result
1	Description	White or almost white, Practically insoluble in water, dilute acid and most of organic solvents. Slightly soluble in dilute NaOH solution	Complies
2	Identification A(Zinc Chloride test)	Violet- blue colour obtain.	Complies
3	Identification B (Degree of Polymerization)	NMT 350	Complies
4	Solubility (in piperidine solution)	dissolves completely	Complies
5	pH	5.0-7.5	6.25
6	Conductivity	NMT 75 µS/cm	Complies
7	Ether - Soluble Substance	NMT 0.05% (5.0 mg)	0.0212%
8	Water - Soluble Substance	NMT 0.25% (12.5 mg)	0.1745%
9	Loss on Drying	NMT 7.0%	2.62%
10	Heavy Metals	NMT 10 PPM	Complies
11	Residue on Ignition : Sulphated Ash	NMT 0.1 %	0.0632 %
12	Particle Size Distribution		
	D ₁₀	< 70µ	62µ
	D ₅₀	150 – 200µ	165µ
	D ₉₀	≥ 260 µ	285µ
MICROBIAL LIMITS			
13	Total Viable Aerobic Count	NMT 1000cfu/g	40
14	Total yeast & Mould Count	NMT 100cfu/g	Nil
15	Escherichia Cofi.	Absent	Absent
16	Pseudomonas aeruginosa	Absent	Absent
17	Staphylococcus aureus	Absent	Absent
18	Salmonella species	Absent	Absent
In-house test		Specification	Result
19	Bulk Density	0.26 to 0.40 g/ml	0.2965 g/ml
20	Sieve Analysis (% Retention)		
20.1	60 Mesh	≥ 10.0 %	14.1360%
20.2	100 Mesh	≥ 50.0%	60.2316%

The raw materials, manufacturing process, and product do not contain any of solvents listed in Organic Volatile Impurities & residual solvents.
Abbreviation : NMT (Not More Than)

Storage recommendation: Preserve in tight containers.

Prepared By

Checked By

Approved By

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