

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-01-15 09:14:40

Date of Next Testing: 2029-01-14 09:14:40

Product Name: **Microcrystalline Cellulose**

CAS Number: 9004-34-6

Specifications & Purity: ChP, JP, Ph.Eur., E 460(i), FCC, NF

Lot #: A2613134

SKU #: **M489093**

Version: **1**

Analysis #: **277713**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
(As)Arsenic	0-0.0002 (%)	0.00010 %
Chloride(Cl)	0-0.03 (%)	0.02000 %
Conductivity	0-75 (μS/cm)	23.00000 μS/cm
Ether-soluble substances	0-0.05 (%)	0.03000 %
Heavy metals	0-10 (ppm)	5.30000 ppm
Loss on drying	0-1.5 (%)	0.50000 %
pH	5-7	5.90000
Sulphated ash/residue on ignition	0-0.05 (%)	0.03000 %
Water soluble matter	0-2 (%)	0.20000 %
bulk density	0.30-0.36 (g/ml)	0.34000 g/ml
Degree of Polymerization	0-350	301.00000
Particle size(retained on air jet sieve)>250um(60mesh)	0-8 (%)	0.90000 %
Particle size(retained on air jet sieve)>75μm(200mesh)	≥45 (%)	61.00000 %
Particle size(retained on air jet sieve)>32μm(450mesh)	≥70 (%)	83.00000 %
Identification(1) (Violet-blue color)	Pass	Pass
Infrared spectrum	Conforms to	Conforms to
	Structure	Structure
Solubility,Dissolves completely	Pass	Pass
Starch(Negative)	Pass	Pass
Total aerobic microbial count(TAMC) (10 ² cfu/g)	Passes	passes
Total molds and yeasts count(TYMC)(20cfu/g)	Passes	passes
Escherichia coli (Absent in 1 g)	Pass	Pass
Pseudomonas aeruginosa (absent in 1 g)	passes test	Passes test
Salmonella spec.(Absent in 10g)	Passes	passes
Staphylococcus aureus (absent in 1 g)	passes test	Passes test



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Parameter	Limit Values	Result
Particle size (Laser diffraction)(d10:20-50µm d50:90-150µm d90:190-300µm)	Pass	Pass
TUP(Technically unavoidable particles($\leq 9/600\text{cm}^2$))	Pass	Pass

John Su
QA & QC Manager