

ALADDIN SCIENTIFIC CORPORATION
 14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

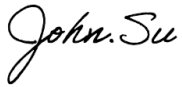
Date of Testing: 2026-03-07 11:30:50
 Date of Next Testing: 2029-03-06 11:30:50
 Product Name: **Microcrystalline Cellulose**
 CAS Number: 9004-34-6
 Specifications & Purity: ChP, JP, Ph.Eur., E 460(i), FCC, NF
 Lot #: B2627185
 SKU #: **M489093**
 Version: **1**
 Analysis #: **277726**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Degree of Polymerization	0-350	350.00
Arsenic(As)	0-0.0002 (%)	0.00000 %
Chloride	0-0.03 (%)	0.02 %
Conductivity	0-50 (µS/cm)	25.00000 µS/cm
Ether-soluble substances	0-0.05 (%)	0.01800 %
Heavy metals	0-10 (ppm)	2.60 ppm
Loss on drying	0-7 (%)	3.20 %
pH	5.0-7.0	6.30
Sulphated ash/residue on ignition	0-0.05 (%)	0.03200 %
Water-soluble substances	0-0.2 (%)	0.16 %
bulk density	0.28-0.33 (g/ml)	0.31 g/ml
Particle size(retained on air jet sieve)>250µm(60 mesh)	0-8 (%)	0.35000 %
Particle size(retained on air jet sieve)>75µm(200mesh)	≥45 (%)	57.00000 %
Particle size(retained on air jet sieve)>32µm(450mesh)	≥70 (%)	80.00000 %
Identification(1) (Violet-blue color)	Pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to 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)	passes test	Passes test
Pseudomonas aeruginosa (absent in 1 g)	passes test	Passes test
Salmonella species(Absent in 10 g)	Passes	passes
Staphylococcus aureus (absent in 1 g)	passes test	Passes test

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Parameter	Limit Values	Result
Particle size (Laser diffraction)(d10:20-50µm d50:90-150µm d90:190-300µm)	Pass	Pass
TUP(Technically unavoidable particles(≤9/600cm ²))	Pass	Pass
Degree of brightness	Conforms	Conforms
Powder flow-angle of repose (Passable or better)	Passes	passes



John Su
QA & QC Manager