

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2026-06-08 12:12:10
Date of Next Testing:	2029-06-07 12:12:10
Product Name:	<b>Microcrystalline Cellulose</b>
CAS Number:	9004-34-6
Specifications & Purity:	ChP, JP, Ph.Eur., E 460(i), FCC, NF
Lot #:	F2604141
SKU #	<b>M489093</b>
Version	<b>2</b>
<b>Analysis #:</b>	<b>280724</b>
Storage Temperature:	Room temperature

Parameter	Limit Values	Result
Degree of Polymerization	0-350	249.00000
Conductivity	0-75 (µS/cm)	27.00000 µS/cm
Ether-soluble substances	0-0.05 (%)	0.01000 %
Heavy metals	0-10 (ppm)	6.00000 ppm
Loss on drying	0-5 (%)	3.30000 %
pH	5.0-7.0	6.60000
Sulphated ash/residue on ignition	0-0.05 (%)	0.03000 %
Water-soluble substances	0-0.2 (%)	0.14000 %
Bulk density(Scott volumeter)	0.30-0.36 (g/ml)	0.34000 g/ml
Particle size(retained on air jet sieve)>400um(38 mesh)	0-1 (%)	0.36000 %
Particle size(retained on air jet sieve)>160um(94mesh)	0-50 (%)	38.00000 %
Particle size(retained on air jet sieve)>50um(300mesh)	≥70 (%)	79.00000 %
Degree of brightness	≥86 (%)	86.00000 %
Powder flow-angle of repose	≤36 (°)	33.60000 °
Arsenic(As)	0-0.0002 (%)	0.00010 %
Chloride	0-0.03 (%)	0.02400 %
Identification(1) (Violet-blue color)	Pass	Pass
Solubility,Dissolves completely	Pass	Pass
Total aerobic microbial count(TAMC) (10 <sup>2</sup> cfu/g)	Passes	passes
Total molds and yeasts count(TYMC)(20cfu/g)	Passes	passes
Staph. aureus E.coli, Pseudomonas aeruginosa(Absent in 1 g)	Passes	passes
Salmonella spec. (Absent in 10 g)	Passes	passes
Partcle size(Laser diffraction)(d10:35-80µm,d50:130-230µm,d90:270-450µm)	Pass	Pass
TUP(Technically unavoidable particles(≤9/600cm <sup>2</sup> ))	Pass	Pass
Identification(2)(stable suspension)	Pass	Pass

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**Parameter**

Starch(Negative)

**Limit Values**

Pass

**Result**

Pass

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager