

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-06-11 14:38:26

Date of Next Testing: 2028-06-10 14:38:26

Product Name: **Microcrystalline Cellulose**

CAS Number: 9004-34-6

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

Lot #: F2509658

SKU #: **M489093**

Version: **1**

Analysis #: **467810**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Degree of polymerisation	≤350	330.00000
Conductivity	0-50 (μS/cm)	25.00000 μS/cm
Ether-soluble substances	0-0.05 (%)	0.00420 %
Heavy metals	0-10 (ppm)	5.00000 ppm
Loss on drying	0-7 (%)	3.40000 %
pH	5-7	6.60000
Sulphated ash/residue on Ignition	0-0.05 (%)	0.04000 %
Water-soluble substances	0-0.24 (%)	0.01000 %
Total aerobic microbial count (TAMC)	0-100 (cfu/g)	5.00000 cfu/g
Total molds and yeasts count(TYMC)	0-20 (cfu/g)	10.00000 cfu/g
bulk density	0.28-0.34 (g/ml)	0.33000 g/ml
Particle size(retained on air jet sieve, > 250um(60 mesh))	0-8 (%)	8.00000 %
Particle size(retained on air jet sieve, > 160um (94 mesh))	≥20 (%)	35.00000 %
Particle size(retained on air jet sieve, > 63um(230 mesh))	≥60 (%)	68.00000 %
Particle size(Laser diffraction)(d10)	32-76 (μm)	37.00000 μm
Particle size(Laser diffraction)(d50)	125-195 (μm)	165.00000 μm
Particle size(Laser diffraction)(d90)	240-340 (μm)	336.00000 μm
TUP(/600cm ²)	0-9	1.00000
Degree of brightness	≥87 (%)	87.00000 %
Powder flow-angle of repose	≤39 (°)	39.00000 °
Appearance(White or almost white fine or granular, slightly hygroscopic powder)	pass	Pass
Identification A,(2)	Conforms	Conforms
Identification B,(1)	Violet-blue color	Violet-blue color
Staph. aureus(Absent in 1g)	Absent	absent
Salmonella spec.(Absent in 10g)	Passes	passes



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

John Su
QA & QC Manager