

Certificate of Analysis

Date of Testing:	2025-05-30 13:53:51
Date of Next Testing:	2028-05-29 13:53:51
Product Name:	Microcrystalline Cellulose
CAS Number:	9004-34-6
Specifications & Purity:	Ph.Eur., NF, JP, ChP, E 460(i), FCC
Lot #:	E2521472
SKU #	M489093
Version	1
Analysis #:	467810

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)	5.00 ppm
Loss on drying	0-7 (%)	3.40 %
PH	5-7	6.60
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)	5.00 cfu/g
Total molds and yeasts count(TYMC)	0-20 (cfu/g)	10.00000 cfu/g
bulk density	0.28-0.34 (g/ml)	0.33 g/ml
Particle slze(retained on air jet sieve, > 250um(60 mesh))	0-8 (%)	8.00000 %
Particle slze(retained on air jet sieve, > 160um (94 mesh))	≥20 (%)	35.00000 %
Particle slze(retained on air jet sieve, > 63um(230 mesh))	≥60 (%)	68.00000 %
Particle slze(Laser diffraction)(d10)	32-76 (μm)	37.00000 μm
Particle slze(Laser diffraction)(d50)	125-195 (μm)	165.00000 μm
Particle slze(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



ALADDIN SCIENTIFIC CORPORATION

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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager