

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2024-02-20 13:38:45
Date of Next Testing:	2027-02-19 13:38:45
Product Name:	Silicified Microcrystalline Cellulose
CAS Number:	9004-34-6
Specifications & Purity:	Ph.Eur., NF, JP, E 460(i) and Silica, Colloidal Anhydrous, Ph.Eur., E 551
Lot #:	A2424390
SKU #	S489679
Analysis:	277690

Parameter	Limit Values	Result
Degree of Polymerization	0-350	242.00
PH	5-7	6.00
Conductivity	0-75 (μS/cm)	37.00000 μS/cm
Loss on drying	0-6 (%)	4.40 %
Water soluble matter	0-0.24 (%)	0.16000 %
Ether-soluble substances	0-0.05 (%)	0.03000 %
Heavy metals	0-10 (ppm)	5.00 ppm
Residue on Ignition	1.8-2.2 (%)	2.00000 %
Tapped density	0.37-0.5 (g/ml)	0.44000 g/ml
bulk density	0.25-0.37 (g/ml)	0.33 g/ml
Particle size(air jet)+200mesh(+75μm)	45-80 (%)	57.00000 %
Particle size(airjet)+60mesh(+250μm)	0-8 (%)	0.60000 %
Particle size by Malven d10	20-50 (μm)	38.00000 μm
Particle size by Malvern d50	90-150 (μm)	124.00000 μm
Particle size by Malvern d90	190-300 (μm)	251.00000 μm
Total aerobic microbial count(TAMC) (10 ² 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 10g)	Passes	passes
Solubility in copper tetrammine,Dissolves completely	Pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



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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