

Certificate of Analysis

Date of Testing: 2023-07-19 17:48:17
 Date of Next Testing: 2026-07-18 17:48:17
 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 #: G23131356
 SKU #: **S489679**
Analysis: 247133

Parameter	Limit Values	Result
Degree of Polymerization	0-350	235.00
PH	5-7	6.00
Conductivity	0-75 (μS/cm)	40.00000 μS/cm
Loss on drying	0-6 (%)	4.50 %
Water soluble matter	0-0.24 (%)	0.17000 %
Ether-soluble substances	0-0.05 (%)	0.05000 %
Heavy metals	0-10 (ppm)	10.00 ppm
Residue on Ignition	1.8-2.2 (%)	2.10000 %
Tapped density	0.37-0.5 (g/ml)	0.42000 g/ml
bulk density	0.25-0.37 (g/ml)	0.29 g/ml
Particle size(air jet)+200mesh(+75μm)	10-30 (%)	17.20000 %
Particle size(airjet)+60mesh(+250μm)	0-1 (%)	0.20000 %
Particle size by Malven d10	15-30 (μm)	23.00000 μm
Particle size by Malvern d50	45-80 (μm)	62.00000 μm
Particle size by Malvern d90	100-180 (μm)	138.00000 μm
Infrared spectrum	Conforms to Structure	Conforms to Structure
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



ALADDIN SCIENTIFIC CORPORATION

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

John Su
QA & QC Manager