

ALADDIN SCIENTIFIC CORPORATION
 14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-10-13 19:22:59
 Date of Next Testing: 2028-10-12 19:22:59
 Product Name: **Microcrystalline Cellulose**
 CAS Number: 9004-34-6
 Specifications & Purity: JP, Ph.Eur., NF, Spheres
 Lot #: J2511037
 SKU #: **M489686**
 Version: **1**
 Analysis #: **249625**

| Parameter | Limit Values | Result |
|--|-----------------------|-----------------------|
| Degree of Polymerization | 0-350 | 243.00 |
| Conductivity | 0-75 (µS/cm) | 18.00000 µS/cm |
| Ether-soluble substances | 0-0.05 (%) | 0.01000 % |
| Heavy metals | 0-10 (ppm) | 5.66 ppm |
| Loss on drying | 0-7 (%) | 5.20 % |
| Sulphated ash/residue on ignition | 0-0.1 (%) | 0.03000 % |
| Water soluble matter | 0-0.24 (%) | 0.03000 % |
| pH | 5-7 | 7.00 |
| bulk density | ≥0.8 (g/ml) | 0.86 g/ml |
| Particle size(retained on air jet sieve)100-200µm | 85-100 (%) | 93.00000 % |
| Sphericity(SPHT3) | ≥0.9 | 0.92000 |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |
| Identification(1) (Violet-blue color) | Pass | Pass |
| Solubility,Dissolves completely | Pass | Pass |
| Total aerobic microbial count(TAMC)(10 ³ cfu/g) | Pass | Pass |
| Total yeasts and molds count(TYMC) (10 ² cfu/g) | Pass | Pass |
| Escherichia coli (Absent in 1 g) | Pass | Pass |
| Pseudomonas aeruginosa (absent in 1 g) | passes test | Passes test |
| Staphylococcus aureus (absent in 1 g) | passes test | Passes test |
| Salmonella species(Absent in 10 g) | Passes | passes |



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

John Su
QA & QC Manager