

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-11-08 13:20:22  
Date of Next Testing: 2028-11-07 13:20:22  
Product Name: **Microcrystalline Cellulose and Carboxymethylcellulose Sodium**  
CAS Number:  
Specifications & Purity: Ph.Eur., NF, E 460(i), E 466  
Lot #: J2430489  
SKU #: **M498254**  
Version: **2**  
Analysis #: **380902**

Parameter	Limit Values	Result
Assay for CMC-Na(Ident D.Ph.Eur)	11.3-18.8 (%)	12.00000 %
Heavy metals	0-0.001 (%)	0.00 %
Loss on drying	0-6 (%)	3.80 %
PH	6.0-8.0	6.50
Sulphated ash /residue on ignition	0-5 (%)	0.36000 %
Particle size(retained on air jet sieve>(> 250µm)	0-0.1 (%)	0.10000 %
Particle size(retained on air jet sieve>(> 45µm)	0-50 (%)	25.00000 %
Viscosity , 2.6%	50-118 (cP)	95.00000 cP
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility(copper tetramine solution)	Pass	Pass
Total aerobic microbial count(TAMC) (10 <sup>2</sup> cfu/g)	Passes	passes
Total molds and yeasts count(TYMC)(20cfu/g)	Passes	passes
E. coli,Staph. Aureus, Pseudomonas aerugin , Absent in 1g	Pass	Pass
Salmonella spec. (Absent in 10 g)	Passes	passes



John Su  
QA & QC Manager