

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-12-24 14:15:55

Date of Next Testing: 2028-12-23 14:15:55

Product Name: **Hydroxypropyl cellulose(HPC)**

CAS Number: 9004-64-2

Specifications & Purity:

Lot #: L2522395

SKU #: **H1373735**

Version: **1**

Analysis #: **626956**

Storage Temperature: Room temperature,Desiccated

Parameter	Limit Values	Result
viscosity	12.0-22.4 (mPa·S)	12.80000 mPa·S
Viscosity	75-140 (%)	80.00000 %
pH	5.0-8.0	7.20
Chloride (Cl-)	0-0.15 (%)	0.00 %
Isopropanol	0-0.5 (%)	0.10500 %
Toluene	0-0.089 (%)	0.03 %
Drying loss	0-5 (%)	2.50000 %
Residue on Ignition	0-0.8 (%)	0.32000 %
Silicon dioxide(When Residue on ignition > 0.2% Test)	0-0.6 (%)	0.17000 %
Heavy metals	0-10 (ppm)	0.52 ppm
(As)Arsenic	0-0.0002 (%)	0.00 %
Assay(dry basis)	53.4-80.5 (%)	58.40 %
Total aerobic bacteria	0-1000(cfu/g)	1.52600 cfu/g
Mold and yeast count	0-100 (cfu/g)	0.82500 cfu/g
Appearance(White or white powder or granules)	Pass	Pass



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Parameter	Limit Values	Result
Identification-1(Blue-green rings appear at the interface of the two liquids)	Pass	Pass
Identification(At 40°C, the solution becomes turbid or floc precipitate is formed. When the solution is cooled, the solution is cleared again.)	Pass	Pass

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

John Su
QA & QC Manager