

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-07-06 13:09:33

Date of Next Testing: 2028-07-05 13:09:33

Product Name: **Gelatin methacryloyl (GelMA)**

CAS Number:

Specifications & Purity: BioReagent, Gel strength 180 Bloom g; Degree of substitution 55%-65%; Methacrylic acid residue ≤100 ppm

Lot #: ZJ26F0736955

SKU #: **M1518379**

Version: **1**

Analysis #: 034583

Parameter	Limit Value	Result
Transmittance: 450nm	≥50(%)	71.00000 %
Transmittance: 620nm	≥70(%)	89.00000 %
Loss on drying	≤10(%)	4.98000 %
pH	5.0-7.5	7.20000
Gel strength	170-195(Bloom g)	176.00000 bloom g
Residue on Ignition	≤2(%)	0.10000 %
Dynamic Viscosity	6-12(mPa·s)	11.00000 mPa·s
Methacrylate (MA) content	55-65(%)	56.00000 %
Ethanol residue	0-1.5(%)	0.93000 %
Appearance(M1518379)	White or pale yellow freeze-dried solid, without any visible foreign matter	White or pale yellow freeze-dried solid, without any visible foreign matter
Solution Appearance	Clear solution	Clear solution
Seal Integrity Testing	Conform	Conform
Chlorides ≤0.5%	Conform	Conform
Peroxide must not show blue	Conform	Conform
Lead≤1.5ppm	Conform	Conform
Arsenic salts ≤1ppm	Conform	Conform
Residual Methacrylic Acid ≤ 0.01%	Conform	Conform
Total aerobic microbial count ≤1000cfu/g	Conform	Conform
Total yeast and mold count ≤100cfu/g	Conform	Conform
Escherichia coli Not detected	Conform	Conform
Salmonella Not detected	Conform	Conform



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

A handwritten signature in black ink that reads "Sophia Cheng".

Sophia Cheng
Quality Assurance