

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-04-20 17:02:10

Date of Next Testing: 2028-04-19 17:02:10

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 #: ZJ26F0434417

SKU #: **M1518379**

Version: **1**

Analysis #: 033036

Parameter	Limit Value	Result
Transmittance: 450nm	≥50(%)	75.00000 %
Transmittance: 620nm	≥70(%)	87.00000 %
Loss on drying	≤10(%)	5.70000 %
pH	5.0-7.5	6.70000
Gel strength	170-195(Bloom g)	180.00000 bloom g
Residue on Ignition	≤2(%)	0.10000 %
Dynamic Viscosity	6-12(mPa·s)	7.00000 mPa·s
Methacrylate (MA) content	55-65(%)	63.00000 %
Ethanol residue	0-1.5(%)	0.04000 %
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



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

Sophia Cheng
Quality Assurance