

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-04-21 17:45:21

Date of Next Testing: 2028-04-20 17:45:21

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

CAS Number:

Specifications & Purity: BioReagent, Gel strength 120 Bloom g; Degree of substitution 55%-65%; Methacrylic acid residue ≤100 ppm

Lot #: ZJ26F0434409

SKU #: **M1518250**

Version: **1**

Analysis #: 033035

Parameter	Limit Value	Result
Transmittance: 450nm	≥50(%)	58.00000 %
Transmittance: 620nm	≥70(%)	80.00000 %
Loss on drying	≤10(%)	7.40000 %
pH	5.0-7.5	6.40000
Gel strength	70-140(Bloom g)	133.00000 bloom g
Residue on Ignition	≤2(%)	0.10000 %
Dynamic Viscosity	6-12(mPa·s)	7.00000 mPa·s
Lead	≤1.5(ppm)	0.01700 ppm
Arsenic salts	≤1(ppm)	0.25000 ppm
Methacrylate (MA) content	55-65(%)	65.00000 %
Ethanol residue	0-1.5(%)	1.40000 %
Appearance(M1518250)	White or pale yellow powdery or granular solid, without any visible foreign matter	White or pale yellow powdery or granular 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
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