

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

|                          |                                                                                                 |
|--------------------------|-------------------------------------------------------------------------------------------------|
| Date of Testing:         | 2026-03-05 15:38:54                                                                             |
| Date of Next Testing:    | 2028-03-04 15:38:54                                                                             |
| Product Name:            | <b>Gelatin Methacryloyl (GelMA)</b>                                                             |
| CAS Number:              | M775152                                                                                         |
| Specifications & Purity: | GMP, Freezing strength 250 Bloom g, labeling rate 85-95%, residual methyl methacrylate ≤ 100ppm |
| Lot #:                   | ZJ26F0332537                                                                                    |
| SKU #                    | <b>M775152</b>                                                                                  |
| Version:                 | <b>2</b>                                                                                        |
| Analysis #:              | 029961                                                                                          |

| Parameter                                 | Limit Value                                        | Result                                             |
|-------------------------------------------|----------------------------------------------------|----------------------------------------------------|
| Transmittance: 450nm                      | ≥50(%)                                             | 88.00000 %                                         |
| Transmittance: 620nm                      | ≥70(%)                                             | 96.00000 %                                         |
| Loss on drying                            | ≤10(%)                                             | 7.10000 %                                          |
| pH                                        | 5.0-7.5                                            | 6.70000                                            |
| Bloom Strength                            | 190-260(Bloom g)                                   | 224.80000 bloom                                    |
| Residue on Ignition                       | ≤2(%)                                              | 0.10000 %                                          |
| Dynamic Viscosity                         | 6-12(mPa·s)                                        | 9.00000 mPa·s                                      |
| Methacrylate (MA) Content                 | 85-95(%)                                           | 88.00000 %                                         |
| Residual Ethanol                          | ≤1.5(%)                                            | 1.10000 %                                          |
| Appearance(M775152)                       | White or light yellow powder or fibrous aggregates | White or light yellow powder or fibrous aggregates |
| Identification                            | Conform                                            | Conform                                            |
| Peroxides                                 | No blue color should appear                        | No blue color should appear                        |
| Chloride≤ 0.5%                            | Conform                                            | Conform                                            |
| Lead≤1.5ppm                               | Conform                                            | Conform                                            |
| Arsenic salt≤ 1ppm                        | Conform                                            | Conform                                            |
| Residual Methacrylic Acid ≤ 0.01%         | Conform                                            | Conform                                            |
| Escherichia coli                          | Not detected                                       | Not Detected                                       |
| Salmonella/10g                            | Not detected                                       | Not Detected                                       |
| Seal Integrity Testing                    | Conform                                            | Conform                                            |
| Total number of mold and yeast ≤100 cfu/g | Conform                                            | Conform                                            |
| Total aerobic bacteria count ≤1000 cfu/g  | Conform                                            | Conform                                            |



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

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Sophia Cheng  
Quality Assurance