

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-07-29 13:43:27  
Date of Next Testing: 2025-07-29 13:43:27  
Product Name: **GelMA**  
CAS Number:  
Specifications & Purity: Freezing strength 300g bloom, grafting rate 60%  
Lot #: G2424407  
SKU #: **M398240**  
Version: **1**  
Analysis #: **385446**  
Storage Temperature: Store at -20°C

| Parameter                              | Limit Values       | Result       |
|--|--------------------|--------------|
| Degree of Amino Substitution           | 55-65 (%)          | 61.00000 %   |
| Turbidity                              | ≤30 (NTU)          | 9.00000 NTU  |
| PH(5% in water)                        | 6.5-7.5            | 7.20         |
| Molecular Weight                       | 100000-200000 (Da) | 150000.00 Da |
| G' Storage modulus                     | 0.6-1.2 (kPa)      | 1.06500 kPa  |
| Phase transition temperature (cooling) | 18.5-20.5 (°C)     | 19.00000 °C  |
| Phase transition temperature (heating) | 28.5-30.5 (°C)     | 29.00000 °C  |
| Appearance(M398240)                    | White sponge       | White sponge |
| Cytotoxicity test(Cell viability≥95%)  | Pass               | Pass         |



John Su  
QA & QC Manager