

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-01-26 11:25:03  
Date of Next Testing: 2028-01-25 11:25:03  
Product Name: **Sodium alginate**  
CAS Number: 9005-38-3  
Specifications & Purity: viscosity 200±20mpa.s  
Lot #: A2422219  
SKU #: **S100126**  
**Analysis: 164823**  
Storage Temperature: Desiccated

| Parameter  | Limit Values                            | Result                                  |
|--|---|---|
| (As)Arsenic  | 0-0.0003 (%)                            | 0.00 %                                  |
| Acid value(KOH)  | ≥230 (mgKOH/g)                          | 231.50 mgKOH/g                          |
| Ignition Residue (as sulfate)                                    | 18-27 (%)                               | 24.70 %                                 |
| Iron(Fe)   | 0-0.05 (%)                              | 0.02 %                                  |
| Heavy metals   | 0-0.004 (%)                             | 0.00 %                                  |
| PH(1% in Water,20°C)   | 6-8                                     | 7.22                                    |
| Loss on drying   | 0-15 (%)                                | 12.16 %                                 |
| Viscosity(1% in H2O,20°C)  | 180-220 (mPa·S)                         | 220.00000 mPa·S                         |
| Appearance (S100126)   | white to light brown powder or crystals | white to light brown powder or crystals |
| Infrared spectrum  | Conforms to Structure                   | Conforms to Structure                   |
| Solubility in H2O , Faint Yellow,Clear to Slightly Hazy,10 mg/mL | pass                                    | Pass                                    |



John Su  
QA & QC Manager