

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-05-24 10:01:42

Date of Next Testing: 2029-05-23 10:01:42

Product Name: **Sodium Alginate**

CAS Number: 9005-38-3

Specifications & Purity: PharmPure™, USP, Ph.Eur., NF

Lot #: E2515703

SKU #: **S498293**

Version: **1**

Analysis #: **504118**

Storage Temperature: Room temperature, Desiccated

| Parameter                                                                                                                                                | Limit Values                         | Result                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|--------------------------------------|
| Assay (dried base, NF)                                                                                                                                   | 90.8-106.0 (%)                       | 99.20000 %                           |
| Arsenic(As)                                                                                                                                              | 0-1.5 (ppm)                          | 0.52600 ppm                          |
| Lead(Pb)                                                                                                                                                 | 0-10 (ppm)                           | 1.52600 ppm                          |
| Loss on drying                                                                                                                                           | 0-15 (%)                             | 9.91000 %                            |
| Total Ash (dried basis)                                                                                                                                  | 18.0-27.0 (%)                        | 24.70000 %                           |
| Viscosity (*Brookfield LVT, spindle no. 2/3, 60 rpm, 10% sol. 20°C)                                                                                      | 300-700 (mPa·S)                      | 465.00000 mPa·S                      |
| Calcium(Ca)                                                                                                                                              | 0-1.5 (%)                            | 0.95000 %                            |
| Sulfated ash(on dried substance)                                                                                                                         | 30.0-36.0 (%)                        | 30.52000 %                           |
| TAMC (Total Aerobic Microbial Count , NF, Ph. Eur)                                                                                                       | ≤200 (%)                             | 173.00000 cfu/g                      |
| TYMC (Total Yeast and Mold Count , Ph. Eur)                                                                                                              | ≤100 (cfu/g)                         | 76.00000 cfu/g                       |
| Particle size ≤250 um                                                                                                                                    | 99-100 (%)                           | 99.01000 %                           |
| Chloride (Cl-)                                                                                                                                           | 0-1 (%)                              | 0.81000 %                            |
| Appearance(S498293)                                                                                                                                      | White or pale yellowish-brown powder | White or pale yellowish-brown powder |
| Escherichia coli (Absent in 1 g )                                                                                                                        | Pass                                 | Pass                                 |
| Salmonella (Absent in 10 g)                                                                                                                              | Pass                                 | Pass                                 |
| Infrared spectrum                                                                                                                                        | Conforms to Structure                | Conforms to Structure                |
| Dissolve 0.2 g with shaking in 20 mL of water R. To 5 mL of this solution add 1 mL of calcium chloride solution R. Avoluminous gelatinous mass is formed | Pass                                 | Pass                                 |
| Appearance of solution (Ph. Eur.)                                                                                                                        | Complies                             | complies                             |



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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager