

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-04-08 17:48:28
 Date of Next Testing: 2029-04-07 17:48:28
 Product Name: **Sodium Alginate**
 CAS Number: 9005-38-3
 Specifications & Purity: PharmPure™, USP, Ph.Eur., NF
 Lot #: D2502077
 SKU #: **S498293**
 Version: **1**
 Analysis #: **215800**
 Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
Assay (dried base, NF)	90.8-106.0 (%)	99.40000 %
Calcium(Ca)	0-1.5 (%)	1.35000 %
Arsenic(As)	0-1.5 (ppm)	1.39000 ppm
Lead(Pb)	0-10 (ppm)	9.80000 ppm
Loss on drying	0-15 (%)	13.35000 %
Sulfated ash(on dried substance)	30.0-36.0 (%)	35.34000 %
Total Ash (dried basis)	18.0-27.0 (%)	24.60000 %
TAMC (Total Aerobic Microbial Count , NF, Ph. Eur)	≤200 (cfu/g)	40.00000 cfu/g
TYMC (Total Yeast and Mold Count , Ph. Eur)	≤100 (cfu/g)	40.00000 cfu/g
Viscosity (*Brookfield LVT, spindle no. 2/3, 60 rpm, 10% sol. 20°C)	300-700 (mPa·S)	345.00000 mPa·S
Chloride (Cl-)	0-1 (%)	0.13000 %
Particle size ≤250 um	99-100 (%)	99.10000 %
Appearance(S498293)	White or pale yellowish-brown powder	White or pale yellowish-brown powder
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
Escherichia coli (Absent in 1 g)	Pass	Pass
Salmonella (Absent in 10 g)	Pass	Pass



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

John Su
QA & QC Manager