

## Certificate of Analysis

Date of Testing:	2023-05-23 14:06:10
Date of Next Testing:	2027-05-22 14:06:10
Product Name:	<b>Sodium Alginate</b>
CAS Number:	9005-38-3
Specifications & Purity:	USP/NF, Ph.Eur., E 401
Lot #:	E23081250
SKU #	<b>S498293</b>
Version	<b>1</b>
<b>Analysis #:</b>	<b>215800</b>
Storage Temperature:	Desiccated

Parameter	Limit Values	Result
Assay (dried base,NF)	90.8-106.0 (%)	99.40000 %
Calcium(Ca)	0-1.5 (%)	1.35 %
Arsenic(As)	0-1.5 (ppm)	1.39000 ppm
Lead(Pb)	0-10 (ppm)	9.80 ppm
Loss on drying	0-15 (%)	13.35 %
Sulfated ash(on dried substance)	30.0-36.0 (%)	35.34 %
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 (%)	0.13 %
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". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager