



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Product Information

Product Name Sodium Alginate
Product Number:SAL-20260211
Batch Number:SAL-SH2026021101
Brand SIGALD
CAS Number 9005-38-3
MDL Number MFCD00081431
Formula $(C_6 H_7 O_6 Na)_n$ (Variable polymer)
Formula Weight Variable (10,000-200,000 Da)
Quality Release Date 11 FEB 2026

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	White to pale yellow	Off-white	-	Visual Inspection
Appearance (Form)	Free-flowing powder	Free-flowing powder	-	Visual Inspection
Viscosity (1% aqueous solution, 25°C)	200-1000 mPa·s	650 mPa·s	mPa·s	Brookfield Viscometer (SP-40)
Moisture Content	≤ 15.0%	12.3%	%	Karl Fischer Titration
Ash Content	30.0-38.0%	34.5%	%	Gravimetric Method (550°C)
pH Value (1% aqueous solution, 25°C)	6.0-8.0	7.1	-	Digital pH Meter
Heavy Metals (Pb)	≤ 5 ppm	1.2 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 2 ppm	0.4 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Total Bacterial Count	≤ 1000 CFU/g	210 CFU/g	CFU/g	Plate Count Method
E. coli	Negative	Negative	-	Microbiological Detection
Insoluble Matter in Water	≤ 1.0%	0.3%	%	Gravimetric Method

Certification This batch of product has been tested in accordance with industrial standards for sodium alginate and meets all specified requirements. It is qualified for use.

Issue Date: 11 FEB 2026