



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Product Information

Product Name Poly(diallyldimethylammonium chloride)
Product Number PDADMAC-20260210
Batch Number PDADMAC-SH2026021001
Brand SIGALD
CAS Number 26062-79-3
MDL Number MFCD00132449
Formula $(C_8 H_{16} NCl)_n$
Formula Weight Variable (10,000-1,000,000 Da)

Quality Release Date 10 FEB 2026

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	Colorless to pale yellow	Colorless	-	Visual Inspection
Appearance (Form)	Viscous liquid	Viscous liquid	-	Visual Inspection
Solid Content	≥ 40.0%	42.3%	%	Gravimetric Method
Charge Density	4.0-6.0 meq/g	5.2 meq/g	meq/g	Colloid Titration
Viscosity (25°C, 25% solution)	500-5000 mPa·s	2800 mPa·s	mPa·s	Brookfield Viscometer
pH Value (25°C, 1% solution)	5.0-7.0	6.1	-	Digital pH Meter
Heavy Metals (Pb)	≤ 5 ppm	1.3 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 1 ppm	0.2 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Total Bacterial Count	≤ 100 CFU/mL	22 CFU/mL	CFU/mL	Plate Count Method
E. coli	Negative	Negative	-	Microbiological Detection

Certification This batch of product has been tested in accordance with industrial standards for poly(diallyldimethylammonium chloride) and meets all specified requirements. It is qualified for use.

Issue Date: 10 FEB 2026