



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis

Product Name:

Polyacrylamide (Anionic Type)

Product Information

- Product Number: PAM-CAS9003058-202609
- Batch Number: PAM-2026092501
- Brand: SIGALD
- CAS Number: 9003-05-8
- MDL Number: MFCD00084412
- Formula: $(C_3H_5NO)_n$ (Anionic Modified)
- Formula Weight: Variable (approx. 800,000-20,000,000 g/mol)
- Quality Release Date: 25 SEP 2026

Test Item	Specification (Industrial Standard)	Result	Test Method
Appearance	White to off-white granular powder	White granular powder	Visual Inspection
Solid Content	≥ 88.0%	90.5%	Gravimetric Method (105°C, 2h)
Molecular Weight (GPC)	800,000-20,000,000 g/mol	12,500,000 g/mol	Gel Permeation Chromatography (GPC)
Anionic Degree	20-40%	32.8%	Colloid Titration Method
Hydrolysis Degree	20-30%	25.6%	Acid-Base Titration
Residual Acrylamide Monomer	≤ 0.05%	0.01%	High Performance Liquid Chromatography (HPLC)
pH Value (1% Aqueous Solution, 25°C)	6.0-8.0	7.2	Digital pH Meter
Heavy Metals (Pb)	≤ 0.0005%	0.0001%	Atomic Absorption Spectrometry (AAS)
Arsenic (As)	≤ 0.0001%	0.00004%	Atomic Fluorescence Spectrometry (AFS)
Insoluble Matter in Water	≤ 0.2%	0.08%	Gravimetric Method
Supplier Information	Confirmed	Confirmed	-
Registered Trademark	Confirmed	Confirmed	-

This batch of product meets the specified industrial standards and is qualified for use. Issue Date: 25 SEP 2025