



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis

Product Name:

Sodium Polyaspartate (PASP)

Product Information

- Product Number: PASP-CAS26062793-202607
- Batch Number: PASP-2026071501
- Brand: SIGALD
- CAS Number: 26062-79-3
- MDL Number: MFCD00191836
- Formula: $(C_4H_5 NO_3Na)_n$ (n = 100-300)
- Formula Weight: Variable (approx. 10,000-30,000 g/mol)
- Quality Release Date: 15 JUL 2026

Test Item	Specification (Industrial Standard)	Result	Test Method
Appearance	Colorless to pale yellow transparent liquid	Colorless transparent liquid	Visual Inspection
Solid Content	30.0-40.0%	36.2%	Gravimetric Method (105°C, 4h)
pH Value (1% Aqueous Solution, 25°C)	7.0-9.0	8.1	Digital pH Meter
Scale Inhibition Efficiency (CaCO ₃ , 25°C, 24h)	≥ 90%	94.3%	Static Scale Inhibition Test
Heavy Metals (Pb)	≤ 0.0005%	0.0001%	Atomic Absorption Spectrometry (AAS)
Arsenic (As)	≤ 0.0001%	0.00003%	Atomic Fluorescence Spectrometry (AFS)
Iron (Fe)	≤ 0.001%	0.0004%	Atomic Absorption Spectrometry (AAS)
Free Aspartic Acid Monomer	≤ 1.0%	0.3%	High Performance Liquid Chromatography (HPLC)
Phosphorus Content (as PO ₄ ³⁻)	≤ 0.05%	0.01%	Molybdenum Blue Spectrophotometry
Supplier Information	Confirmed	Confirmed	-
Registered Trademark	Confirmed	Confirmed	-

This batch of product meets the specified industrial standards and is qualified for use.

Issue Date: 15 JUL 2025