



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis

Product Name:

Polymaleic Anhydride (PMA)

Product Information

- Product Number: PMA-CAS26099092-202606
- Batch Number: PMA-2026061001
- Brand: SIGALD
- CAS Number: 26099-09-2
- MDL Number: MFCD00131615
- Formula: $(C_4H_2O_2)_n$ (n = 100-300)
- Formula Weight: Variable (approx. 5000-10000 g/mol)
- Quality Release Date: 10 JUN 2025

Test Item	Specification (Industrial Standard)	Result	Test Method
Appearance	Light yellow to amber transparent liquid	Pale yellow transparent liquid	Visual Inspection
Solid Content	40.0-50.0%	45.8%	Gravimetric Method (120°C, 2h)
pH Value (1% Aqueous Solution, 25°C)	2.0-4.0	2.9	Digital pH Meter
Molecular Weight (GPC)	5000-10000 g/mol	7800 g/mol	Gel Permeation Chromatography (GPC)
Scale Inhibition Efficiency (CaCO ₃ , 25°C, 24h)	≥ 90%	93.5%	Static Scale Inhibition Test
Heavy Metals (Pb)	≤ 0.0005%	0.0001%	Atomic Absorption Spectrometry (AAS)
Arsenic (As)	≤ 0.0001%	0.00004%	Atomic Fluorescence Spectrometry (AFS)
Iron (Fe)	≤ 0.001%	0.0003%	Atomic Absorption Spectrometry (AAS)
Free Maleic Anhydride Monomer	≤ 1.0%	0.4%	High Performance Liquid Chromatography (HPLC)
Supplier Information	Confirmed	Confirmed	-
Registered Trademark	Confirmed	Confirmed	-

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

Issue Date: 10 JUN 2025