



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis

Product Name: Reverse Osmosis Antiscalant (PESA) Aqueous Solution

Product Information

Product Number: PESA-RO-CAS1528987-202802 Batch Number: PESA-2028020501 Brand: SIGALD
CAS Number: 1528-98-7 MDL Number: MFCD08454395 Formula: $(C_4H_6 O_5)_n$
(Polyepoxysuccinic Acid) Formula Weight: 118.09 (monomer) / 1000-3000 (polymer) g/mol
Quality Release Date: 05 FEB 2025

Test Item	Specification (Industrial Standard)	Result	Test Method
Appearance	Colorless to pale yellow transparent	Pale yellow transparent	Visual Inspection
Solid Content	30.0±2.0%	30.8%	Gravimetric Method (GB/T 22232-2008)
pH Value (25°C, 1% Solution)	7.0-9.0	8.2	Digital pH Meter
Density (25°C)	1.15-1.25 g/cm ³	1.20 g/cm ³	Hydrometer Method
Calcium Carbonate	≥ 90% (80°C, 24h)	94%	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%	1,10-Phenanthroline Spectrophotometry
Supplier Information	Confirmed	Confirmed	-
Registered Trademark	Confirmed	Confirmed	-

This batch of product has been tested in accordance with industrial standards for reverse osmosis antiscalant (PESA) and meets all specified requirements. It is qualified for use.

Issue Date: 05 FEB 2025