

Certificate of Analysis

Product Name: Acidic Membrane Cleaner

Product Information

Product Number: AMC-20260203 Batch Number: AMC-B2026020301 Brand: SIGALD Main Component CAS Number: Citric Acid (77-92-9), Oxalic Acid (144-62-7) Formula: Mixed Organic Acids (Citric + Oxalic) + Surfactants Formula Weight: 80-120 g/mol (main components) Purity Grade: 50.0% (w/w, total organic acids) Quality Release Date: 03 FEB 2025

Test Item	Specification (Industry Standard)	Result	Test Method
Appearance	Colorless to pale yellow transparent liquid, no mechanical impurities	Colorless transparent liquid	Visual Inspection
Total Organic Acids Content	≥ 50.0%	50.8%	Potentiometric Titration (NaOH Standard Solution)
pH Value (25°C, 1% Aqueous Solution)	2.0-4.0	2.8	pH Meter Method (GB/T 6368-2008)
Density (25°C)	1.050-1.080 g/cm ³	1.065 g/cm ³	Density Meter Method
Chloride (Cl ⁻) Content	≤ 0.01%	0.005%	Silver Nitrate Turbidimetry
Heavy Metals (Pb) Content	≤ 0.0005%	0.0003%	Atomic Absorption Spectrometry (AAS)
Descaling Rate (CaCO ₃ , 25°C, 2h)	≥ 95.0%	96.2%	Gravimetric Method

This batch of product has been tested in accordance with relevant industry standards and meets all specified requirements for Acidic Membrane Cleaner. It is qualified for use in membrane cleaning scenarios. Issue Date: 03 FEB 2025