

Certificate of Analysis

Product Name: Polyether Defoamer SPO-30

Product Information

- Product Number: SPO30-CAS74499346-202703
- Batch Number: SPO30-2026012001
- Brand: SIGALD
- CAS Number: 74499-34-6
- MDL Number: N/A (Polyether mixture)
- Formula: Blend of Polyoxyethylene-Polyoxypropylene Block Copolymer
- Formula Weight: Variable (approx. 2000-8000 g/mol)
- Quality Release Date: 20 JAN 2026

Test Item	Specification (Industrial Standard)	Result	Test Method
Appearance	Colorless to pale yellow transparent liquid	Colorless transparent liquid	Visual Inspection
Solid Content	98.0-100.0%	99.2%	Gravimetric Method (105°C, 2h)
Viscosity (25°C)	500-2000 mPa·s	1200 mPa·s	Rotational Viscometer
Defoaming Efficiency (0.1% Aqueous Solution, 25°C)	≤ 5 seconds	3 seconds	Dynamic Defoaming Test
Foam Suppression Time (0.1% Aqueous Solution, 25°C)	≥ 12 hours	15 hours	Static Foam Suppression Test
pH Value (1% Aqueous Solution, 25°C)	5.0-8.0	6.8	Digital pH Meter
Water Content	≤ 0.5%	0.2%	Karl Fischer Titration
Heavy Metals (Pb)	≤ 5 ppm	1.0 ppm	Atomic Absorption Spectrometry (AAS)
Arsenic (As)	≤ 1 ppm	0.3 ppm	Atomic Fluorescence Spectrometry (AFS)
Flash Point	≥ 150°C	165°C	Closed Cup Method
Supplier Information	Confirmed	Confirmed	-
Registered Trademark	Confirmed	Confirmed	-

This batch of product has been tested in accordance with industrial standards for polyether defoamers and meets all specified requirements. It is qualified for use.

Issue Date: 20 JAN 2026