

Certificate of Analysis

Product Name: Peracetic Acid Aqueous Solution

Product Information

Product Number: PAA-CAS79210-202511 Batch Number: PAA-2027112001 Brand: SIGALD CAS Number: 79-21-0 MDL Number: MFCD00011691 Formula: $C_2H_4O_3$ Formula Weight: 76.05 g/mol Quality Release Date: 20 NOV 2025

Test Item	Specification (Industrial Standard)	Result	Test Method
Appearance	Colorless to pale yellow transparent liquid, pungent odor	Pale yellow transparent liquid	Visual Inspection
Peracetic Acid Content	15.0-20.0%	17.5%	Iodometric Titration (GB/T 19108-2021)
Free Acetic Acid Content	≤ 5.0%	3.2%	Acid-Base Titration
pH Value (25°C)	2.0-4.0	3.1	Digital pH Meter
Density (25°C)	1.03-1.07 g/cm ³	1.05 g/cm ³	Hydrometer Method
Heavy Metals (Pb)	≤ 0.0005%	0.0001%	Atomic Absorption Spectrometry (AAS)
Arsenic (As)	≤ 0.0001%	0.00003%	Atomic Fluorescence Spectrometry (AFS)
Stability (3 months, 25°C)	≥ 90% PAA Retention	93%	Iodometric Titration
Supplier Information	Confirmed	Confirmed	-
Registered Trademark	Confirmed	Confirmed	-

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

Issue Date: 20 NOV 2025