

Certificate of Analysis

Product Name: Trichloroisocyanuric Acid (TCCA)

Product Information

Product Number: TCCA-CAS87901-202512 Batch Number: TCCA-2027121501 Brand: SIGALD
CAS Number: 87-90-1 MDL Number: MFCD00013220 Formula: $C_3Cl_3N_3O_3$ Formula Weight: 232.41
g/mol Quality Release Date: 15 DEC 2025

Test Item	Specification (Industrial Standard)	Result	Test Method
Appearance	White crystalline powder or granular solid, slight chlorine odor	White crystalline powder	Visual Inspection
Available Chlorine Content	90.0-95.0%	92.8%	Iodometric Titration (GB/T 22388-2008)
Moisture Content	≤ 0.5%	0.21%	Gravimetric Method (105°C, 2h)
pH Value (1% Aqueous Solution, 25°C)	2.0-4.0	3.0	Digital pH Meter
Insoluble Matter in Water	≤ 0.1%	0.03%	Gravimetric Method
Heavy Metals (Pb)	≤ 0.0005%	0.0001%	Atomic Absorption Spectrometry (AAS)
Arsenic (As)	≤ 0.0001%	0.00003%	Atomic Fluorescence Spectrometry (AFS)
Mercury (Hg)	≤ 0.000005%	0.000001%	Atomic Fluorescence Spectrometry (AFS)
Particle Size (80-200 Mesh)	≥ 95% Passing	97%	Sieve Analysis
Supplier Information	Confirmed	Confirmed	-
Registered Trademark	Confirmed	Confirmed	-

This batch of product has been tested in accordance with industrial standards for trichloroisocyanuric acid and meets all specified requirements. It is qualified for use.
Issue Date: 15 DEC 2025