

Certificate of Analysis (COA)

Product Information

Product Name Acetic Anhydride
 Product Number AAH-20260302
 Batch Number AAH-SH2026030201
 Brand TECHPURE
 CAS Number 108-24-7
 MDL Number MFCD00008704
 Formula $C_4H_6O_3$
 Formula Weight 102.09 g/mol
 Quality Release Date 02 MAR 2026

Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	Colorless to pale yellow	Colorless	-	Visual Inspection
Appearance (Form)	Clear liquid	Clear liquid	-	Visual Inspection
Purity (GC)	≥ 99.5%	99.7%	%	Gas Chromatography (GC)
Water Content	≤ 0.1%	0.03%	%	Karl Fischer Titration
Density (20°C)	1.081-1.083 g/cm ³	1.082 g/cm ³	g/cm ³	Density Meter
Boiling Range	138.0-141.0°C	138.5-140.8°C	°C	Distillation Test
Non-Volatile Residue	≤ 0.005%	0.001%	%	Gravimetric Method
Heavy Metals (Pb)	≤ 0.5 ppm	0.1 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 0.1 ppm	0.03 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Acidity (as CH ₃ COOH)	≤ 0.001%	0.0004%	%	Titration Method

Certification

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

Issue Date: 02 MAR 2026