

## Certificate of Analysis (COA)

### Product Information

Product Name:Formic Acid

Product Number:FA-20260228

Batch Number:FA-SH2026022801

Brand:TECHPURE

CAS Number:64-18-6

MDL Number:MFCD00003281

Formula:CH<sub>2</sub>O<sub>2</sub>

Formula Weight:46.03 g/mol

Quality Release Date:28 FEB 2026

### Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	Colorless	Colorless	-	Visual Inspection
Appearance (Form)	Clear liquid	Clear liquid	-	Visual Inspection
Purity (GC)	≥ 99.0%	99.2%	%	Gas Chromatography (GC)
Water Content	≤ 0.5%	0.3%	%	Karl Fischer Titration
Density (20°C)	1.220-1.222 g/cm <sup>3</sup>	1.221 g/cm <sup>3</sup>	g/cm <sup>3</sup>	Density Meter
Boiling Range	100.0-101.5°C	100.5-101.2°C	°C	Distillation Test
Non-Volatile Residue	≤ 0.005%	0.002%	%	Gravimetric Method
Heavy Metals (Pb)	≤ 0.5 ppm	0.1 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 0.1 ppm	0.04 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Iron (Fe)	≤ 0.5 ppm	0.1 ppm	ppm	Atomic Absorption Spectrometry (AAS)

### Certification

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

Issue Date: 28 FEB 2026