

Certificate of Analysis (COA)

Product Information

Product Name Ethanol (Ethyl Alcohol)
Product Number ETH-20260215
Batch Number ETH-SH2026021501
Brand TECHPURE
CAS Number 64-17-5
MDL Number MFCD00003568
Formula C_2H_5OH
Formula Weight 46.07 g/mol
Quality Release Date 15 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)	$\geq 99.5\%$	99.7%	%	Gas Chromatography (GC)
Water Content	$\leq 0.2\%$	0.1%	%	Karl Fischer Titration
Density (20°C)	0.789-0.791 g/cm ³	0.790 g/cm ³	g/cm ³	Density Meter
Boiling Range	78.0-78.5°C	78.2-78.4°C	°C	Distillation Test
Non-Volatile Residue	$\leq 0.005\%$	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)
Acidity (as CH ₃ COOH)	$\leq 0.001\%$	0.0005%	%	Titration Method

Certification

This batch of product has been tested in accordance with industrial standards for ethanol and meets all specified requirements. It is qualified for industrial, laboratory, and food-grade auxiliary use.

Issue Date: 15 FEB 2026