

Certificate of Analysis (COA)

Product Information

Product Name:1,4-Dioxane

Product Number:DOX-20260314

Batch Number:DOX-SH2026031401

Brand:TECHPURE

CAS Number:123-91-1

MDL Number:MFCD00003885

Formula:C₄H₈ O₂

Formula Weight:88.11 g/mol

Quality Release Date:14 MAR 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)	≥ 99.5%	99.7%	%	Gas Chromatography (GC)
Water Content	≤ 0.1%	0.03%	%	Karl Fischer Titration
Density (20°C)	1.033-1.035 g/cm ³	1.034 g/cm ³	g/cm ³	Density Meter
Boiling Range	100-102°C	100.5-101.8°C	°C	Distillation Test
Peroxide Content (as H ₂ O ₂)	≤ 0.001%	0.0002%	%	Iodometric Titration
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)
Non-Volatile Residue	≤ 0.005%	0.001%	%	Gravimetric Method

Certification

This batch of product has been tested in accordance with industrial standards for 1,4-dioxane and meets all specified requirements. It is qualified for industrial and laboratory use.

Issue Date: 14 MAR 2026