

Certificate of Analysis (COA)

Product Information

Product Name Benzaldehyde

Product Number:BZD-20260321

Batch Number:BZD-SH2026032101

Brand:TECHPURE

CAS Number:100-52-7

MDL Number:MFCD00003385

Formula:C₇ H₆ O

Formula Weight:106.12 g/mol

Quality Release Date:21 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)	≥ 99.0%	99.3%	%	Gas Chromatography (GC)
Water Content	≤ 0.1%	0.04%	%	Karl Fischer Titration
Density (20°C)	1.044-1.046 g/cm ³	1.045 g/cm ³	g/cm ³	Density Meter
Boiling Range	178-180°C	178.5-179.8°C	°C	Distillation Test
Refractive Index (20°C)	1.544-1.546	1.545	-	Refractometer
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 benzaldehyde and meets all specified requirements. It is qualified for industrial, cosmetic, and laboratory use.

Issue Date: 21 MAR 2026