

## Certificate of Analysis (COA)

### Product Information

Product Name	Diethyl Phthalate (DEP)
Product Number	DEP-20260310
Batch Number	DEP-SH2026031001
Brand	TECHPURE
CAS Number	84-66-2
MDL Number	MFC00009044
Formula	C <sub>12</sub> H <sub>14</sub> O <sub>4</sub>
Formula Weight	222.24 g/mol
Quality Release Date	10 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%	99.2%	%	Gas Chromatography (GC)
Water Content	≤ 0.1%	0.03%	%	Karl Fischer Titration
Density (25°C)	1.045-1.047 g/cm <sup>3</sup>	1.046 g/cm <sup>3</sup>	g/cm <sup>3</sup>	Density Meter
Boiling Range	295.0-298.0°C	296.1-297.8°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 HCOOH)	≤ 0.001%	0.0004%	%	Titration Method

### Certification

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

Issue Date: 10 MAR 2026