

## Certificate of Analysis (COA)

### Product Information

Product Name Diethyl Ether (Ethyl Ether)  
Product Number DEE-20260218  
Batch Number DEE-SH2026021801  
Brand TECHPURE  
CAS Number 60-29-7  
MDL Number MFCD00011643  
Formula  $C_4H_{10}O$   
Formula Weight 74.12 g/mol  
Quality Release Date 18 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)	$\geq 99.0\%$	99.3%	%	Gas Chromatography (GC)
Water Content	$\leq 0.05\%$	0.02%	%	Karl Fischer Titration
Density (20°C)	0.713-0.715 g/cm <sup>3</sup>	0.714 g/cm <sup>3</sup>	g/cm <sup>3</sup>	Density Meter
Boiling Range	34.5-35.5°C	34.8-35.2°C	°C	Distillation Test
Non-Volatile Residue	$\leq 0.005\%$	0.001%	%	Gravimetric Method
Heavy Metals (Pb)	$\leq 0.5$ ppm	0.1 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	$\leq 0.1$ ppm	0.03 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Peroxides (as H <sub>2</sub> O <sub>2</sub> )	$\leq 0.001\%$	0.0003%	%	Iodometric Titration

### Certification

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

Issue Date: 18 FEB 2026