



# NEWAY SINOPHC TECH. LIMITED

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## Certificate of Analysis (COA)

### Product Information

Product Name:Ethylene Oxide Solution (10% in Ethanol)

Product Number:EO-20260404

Batch Number:EO-SH2026040401

Brand:TECHPURE

CAS Number:75-21-8

MDL Number:MFCD00003183

Formula:C<sub>2</sub>H<sub>4</sub>O (Solution in Ethanol)

Formula Weight:44.05 g/mol (Pure Substance)

Quality Release Date:04 APR 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
Ethylene Oxide Content (GC)	10.0 ± 0.5%	10.2%	%	Gas Chromatography (GC)
Ethanol Content (GC)	89.0-91.0%	89.7%	%	Gas Chromatography (GC)
Water Content	≤ 0.3%	0.1%	%	Karl Fischer Titration
Density (20°C)	0.795-0.800 g/cm <sup>3</sup>	0.797 g/cm <sup>3</sup>	g/cm <sup>3</sup>	Density Meter
Boiling Range	75-80°C (Ethanol fraction)	76.2-79.5°C	°C	Distillation Test
Peroxide Content (as H <sub>2</sub> O <sub>2</sub> )	≤ 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)

### Certification

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

Issue Date:04 APR 2026