

Certificate of Analysis (COA)

Product Information

Product Name	Ethylenediamine (EDA)
Product Number	EDA-20260316
Batch Number	EDA-SH2026031601
Brand	TECHPURE
CAS Number	107-15-3
MDL Number	MFC000008200
Formula	C ₂ H ₈ N ₂
Formula Weight	60.10 g/mol
Quality Release Date	16 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	≤ 0.5%	0.2%	%	Karl Fischer Titration
Density (20°C)	0.898-0.900 g/cm ³	0.899 g/cm ³	g/cm ³	Density Meter
Boiling Range	116-118°C	116.5-117.8°C	°C	Distillation Test
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	≤ 0.05%	0.02%	%	Gravimetric Method
Acidity (as HCl)	≤ 0.001%	0.0004%	%	Titration Method

Certification

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

Issue Date: 16 MAR 2026