

## Certificate of Analysis (COA)

### Product Information

Product Name:Trimethylamine Solution (40% in Water)

Product Number:TMA-20260317

Batch Number:TMA-SH2026031701

Brand:TECHPURE

CAS Number:75-50-3

MDL Number:MFCD00008280

Formula:C<sub>3</sub>H<sub>9</sub> N (Aqueous Solution)

Formula Weight:59.11 g/mol (Pure Substance)

Quality Release Date:17 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
Concentration (GC)	40.0 ± 1.0%	40.2%	%	Gas Chromatography (GC)
pH Value (25°C)	11.5-12.5	12.0	-	Digital pH Meter
Water Content	59.0-61.0%	59.7%	%	Karl Fischer 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)
Non-Volatile Residue	≤ 0.05%	0.02%	%	Gravimetric Method

### Certification

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

Issue Date: 17 MAR 2026