

Certificate of Analysis (COA)

Product Information

Product Name	Methane
Product Number	METH-20260303
Batch Number	METH-SH2026030301
Brand	TECHPURE
CAS Number	74-82-8
MDL Number	MFCD00008250
Formula	CH ₄
Formula Weight	16.04 g/mol
Quality Release Date	03 MAR 2026
Physical State	Compressed gas
Storage Pressure (20°C)	10 MPa

Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Purity (GC)	≥ 99.5%	99.7%	%	Gas Chromatography (GC)
Impurity (Ethane)	≤ 0.3%	0.2%	%	Gas Chromatography (GC)
Impurity (Propane)	≤ 0.1%	0.05%	%	Gas Chromatography (GC)
Water Content	≤ 10 ppm	3 ppm	ppm	Coulometric Karl Fischer Titration
Oxygen Content	≤ 0.05%	0.02%	%	Paramagnetic Oxygen Analyzer
Sulfur Content	≤ 1 ppm	0.3 ppm	ppm	UV Fluorescence Spectrometry

Certification

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

Issue Date: 03 MAR 2026