

Certificate of Analysis (COA)

Product Information

Product Name:Nitrobenzene

Product Number:NIT-20260329

Batch Number:NIT-SH2026032901

Brand:TECHPURE

CAS Number:98-95-3

MDL Number:MFCD00007365

Formula:C₆ H₅ NO₂

Formula Weight:123.11 g/mol

Quality Release Date:29 MAR 2026

Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	Pale yellow to yellow	Pale yellow	-	Visual Inspection
Appearance (Form)	Clear liquid	Clear liquid	-	Visual Inspection
Purity (GC)	≥ 99.0%	99.2%	%	Gas Chromatography (GC)
Water Content	≤ 0.1%	0.04%	%	Karl Fischer Titration
Density (20°C)	1.202-1.204 g/cm ³	1.203 g/cm ³	g/cm ³	Density Meter
Boiling Range	208-211°C	208.5-210.8°C	°C	Distillation Test
Refractive Index (20°C)	1.552-1.554	1.553	-	Refractometer
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	≤ 0.005%	0.001%	%	Gravimetric Method

Certification

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

Issue Date:29 MAR 2026