

Certificate of Analysis (COA)

Product Information

Product Name:Phenol Solution (50% in Water)

Product Number:PHN-20260322

Batch Number:PHN-SH2026032201

Brand:TECHPURE

CAS Number:108-95-2

MDL Number:MFCD00002130

Formula:C₆ H₆ O (Aqueous Solution)

Formula Weight:94.11 g/mol (Pure Substance)

Quality Release Date:22 MAR 2026

Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	Colorless to pale pink	Colorless	-	Visual Inspection
Appearance (Form)	Clear liquid	Clear liquid	-	Visual Inspection
Concentration (HPLC)	50.0 ± 1.0%	50.3%	%	High Performance Liquid Chromatography (HPLC)
pH Value (25°C)	4.0-5.0	4.5	-	Digital pH Meter
Water Content	49.0-51.0%	49.7%	%	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
Iron (Fe)	≤ 1 ppm	0.3 ppm	ppm	Atomic Absorption Spectrometry (AAS)

Certification

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

Issue Date: 22 MAR 2026