



# NEWAY SINOPHC TECH. LIMITED

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## Certificate of Analysis (Phenol)

**Issue Date:** 28 FEB 2026

**Quality Release Date:** 28 FEB 2026

### Product Name

Phenol 酚

### Product Information

Product Number PHE-20260228

Batch Number PHE-SH2026022801

Brand SIGALD

CAS Number 108-95-2

MDL Number MFCD00002142

Formula  $C_6H_6O$

Formula Weight 94.11 g/mol

### Test Results

Test	Specification (Industrial & Reagent Grade)	Result	Unit	Test Method
Appearance (Color)	Colorless to pale pink	Colorless	-	Visual Inspection (25°C)
Appearance (Form)	Clear liquid or crystalline solid	Clear crystalline solid	-	Visual Inspection (25°C)
Assay (on dry basis)	≥ 99.5%	99.8%	%	Gas Chromatography (GC)
Related Substances (Total)	≤ 0.3%	0.05%	%	GC (External Standard Method)
Single Impurity	≤ 0.1%	0.01%	%	GC (External Standard Method)
Water Content	≤ 0.2%	0.08%	%	Karl Fischer Titration
Acidity (as $H_2SO_4$ )	≤ 0.005%	0.001%	%	Neutralization Titration
Alkalinity (as $NH_3$ )	≤ 0.001%	ND	%	Nessler's Reagent Method
Heavy Metals (Pb)	≤ 2 ppm	0.4 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 0.5 ppm	0.1 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Chloride ( $Cl^-$ )	≤ 0.001%	ND	%	Silver Nitrate Titration
Sulfate ( $SO_4^{2-}$ )	≤ 0.002%	ND	%	Barium Sulfate Turbidimetry
Melting Point	40.5 ~ 42.5°C	41.8°C	°C	Melting Point Apparatus
Boiling Point	181 ~ 183°C	182.2°C	°C	Distillation Method

### Certification

This batch of Phenol has been tested in accordance with **industrial grade and high-purity reagent grade standards**. All test results meet the specified quality requirements, and the product is qualified for use in industrial synthesis, chemical reagent, pharmaceutical intermediate and other designated application fields.