

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaldrich.com

Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

Product Specification

Product Name:

Phenol – contains hypophosphorous as stabilizer, loose crystals, ACS reagent, ≥99.0%

Product Number:

242322

CAS Number:

108-95-2

MDL:

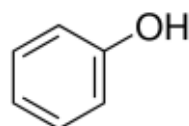
MFCD00002143

Formula:

C₆H₆O

Formula Weight:

94.11 g/mol



TEST	Specification
------	---------------

Appearance (Color)

White

Appearance (Form)

Powder or Crystals or Flakes

Infrared spectrum

Conforms to Structure

Stabilizer

≤ 0.15 %

Hypophosphorous Acid (H₃PO₂)

Assay by Titration

≥ 99.0 %

as Phenol

Water (by Karl Fischer)

≤ 0.5 %

Residue on Evaporation

≤ 0.05 %

Freezing point

≥ 40.5 °C

(Dry Basis)

Meets ACS Requirements

Current ACS Specification

Solubility

Pass

Solubility Concentration: 5% in Water

Clear, Colorless Solution

Recommended Retest Period

2 Years

Specification: PRD.1.ZQ5.10000047179

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.