

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaaldrich.com](http://www.sigmaaldrich.com)Email USA: [techserv@sial.com](mailto:techserv@sial.com)Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:

Phenol - contains hypophosphorous as stabilizer, loose crystals, ACS reagent,  $\geq 99.0\%$ 

Product Number:

242322

CAS Number:

108-95-2

MDL:

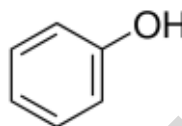
MFCD00002143

Formula:

C<sub>6</sub>H<sub>6</sub>O

Formula Weight:

94.11 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Powder or Crystals or Flakes
Infrared spectrum	Conforms to Structure
Stabilizer	$\leq 0.15\%$
Hypophosphorous Acid (H <sub>3</sub> PO <sub>2</sub> )	
Assay by Titration	$\geq 99.0\%$
as Phenol	
Water (by Karl Fischer)	$\leq 0.5\%$
Residue on Evaporation	$\leq 0.05\%$
Freezing point	$\geq 40.5\text{ }^{\circ}\text{C}$
(Dry Basis)	
Meets ACS Requirements	Current ACS Specification
Clarity of Solution	Pass
5% in Water	
Recommended Retest Period	-----
2 Years	

Specification: PRD.2.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](http://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.

