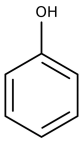


**ChemPure* Brand
Chemicals**

...Pure Quality

CERTIFICATE OF ANALYSIS

Phenol 90%, Liquefied, Reagent



Cat. No:	CP-C9047	Molecular Formula:	C ₆ H ₆ O (Phenol)
CAS No:	108-95-2	Molecular Weight:	94.11 g/mol (Phenol)
MDL No:	MFCD00002143	Shipping Info:	DOT: UN2821, Phenol solution, 6.1, PG II
Lot No:	2007602	UPS/FEDEX:	1 liter Ground or Air
Mfg Date:	03/20/2020	Retest Date:	03/20/2022

Synonym: carboic acid, hydroxybenzene, phenic acid, phenylic acid, oxybenzene, benzenol, phenyl hydrate, monophenol, phenyl hydroxide, phenylic alcohol

SPECIFICATIONS

Test		Result
Purity (by GC):	89.2-90.8% by wgt. Min.	90.0%
Water:	9.2-10.8% by wgt. Max.	10.0%
Appearance (1:12 @20°C):	Water-white, clear liquid	Conforms
Color (Pt/Co):	20 Max.	< 5
Solidification Point:	13-17°C	12-14°C
Odor:	Sweet, aromatic	Conforms
Alpha-Methyl Styrene	0.0002 mg/kg Max	0.000027
Specific Gravity (20/4 °C.):	1.02 g/mL	Conforms
Mesityloxide	0 mg/kg	0.0 mg/kg
Non-volatile Matter	0.01 ppm Max	0.001 ppm
Test Method	ASTMD	2439
Melting point/freezing point:	13-17°C (55.4-62.6°F)	Conforms
Initial boiling point/range:	100°C (212°F)	Conforms
Flash point:	105°C (221°F)	Conforms
Vapor pressure:	16.55 mmHg at 25°C	Conforms
Vapor density:	3.2	Conforms
Relative density:	1.02 @ 20/4°C.	Conforms
Viscosity:	1.51 cp @ 80°C	Conforms

Liquefied is a white crystalline, aromatic organic compound that is volatile.

This product is for further commercial manufacturing, laboratory or research use, and may be used as an excipient or a process solvent for pharmaceutical purposes. It is not intended for use as an active ingredient in drug manufacturing nor as a medical device or disinfectant. Appropriate/legal use of this product is the responsibility of the user.

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