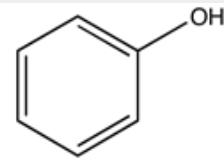


## Phenol, crystallized, Pharpur®, Ph Eur, BP, USP

**Identification**

C<sub>6</sub>H<sub>6</sub>O  
M = 94,11 g/mol  
CAS [108-95-2]  
EC number: 203-632-7  
Taric code: 2907 11 00

**Synonyms**

Phenic acid, Hydroxybenzene, Carboic acid

**Applications**

synthesis of organic products, disinfectant, for pharmaceuticals synthesizing, manufacture of dyes, preservative agent, analytical chemistry, laboratory reagent, in pharma industry.

**Specifications**

assay (bromometric, referred to dried sample).. 99,0 - 100,5 %	appearance of solution.....passes test
assay (bromometric)..... 99,0 - 100,5 %	clarity of solution and reaction..... passes test
Identification A (EP)..... passes test	freezing point..... min. 39,5 °C
Identification B (EP) / B (USP)..... passes test	acidity..... passes test
Identification C (EP) / A (USP)..... passes test	residue on evaporation (105°C; 1h)..... max. 0,05 %
	water (K.F.)..... max. 0,5 %

**Physical data**

- Appearance: colorless or faintly pink or faintly yellowish, crystals or crystalline masses, deliquescent
- Spec. Density: 1,06 g/cm<sup>3</sup>
- Bulk density: ~ 620 kg/m<sup>3</sup>
- Solub. in water: (20 °C): 84 g/l
- Melting point: 41 °C
- Boiling point: 182 °C
- Flash point: 81 °C
- Ignition temperature: 595 °C
- Vapour pressure: (20 °C) 0,2 hPa
- Expl. limit (upper): 9,5 Vol %
- Expl. limit (lower): 1,3 Vol %
- pH(50 g/l H<sub>2</sub>O, 20 °C) ~ 5
- Hygroscopic

**Safety - GHS**

Signal Word: Danger

**Hazard Statements:**

- H301: Toxic if swallowed.  
H311: Toxic in contact with skin.  
H331: Toxic if inhaled.  
H314: Causes severe skin burns and eye damage.  
H341: Suspected of causing genetic defects.  
H373: May cause damage to organs through prolonged or repeated exposure.  
H411: Toxic to aquatic life with long lasting effects.

**Precautionary Statements:**

- P260: Do not breathe dust / fume / gas / mist / vapours / spray.  
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P405: Store locked up.  
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Transport/storage**

- ADR: 6.1 T2 II • UN 1671 • PHENOL, SOLID
- IMDG: 6.1 II • UN 1671 • PHENOL, SOLID
- IATA/ICAO: 6.1 II • UN 1671 • PHENOL, SOLID
- PAX: F
- CAO: F
- 10°C - 30°C