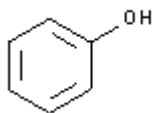


PRODUCT CODE: 144852

Phenol crystalline (USP, BP, Ph. Eur.) pure, pharma grade

C_6H_6O

C_6H_6O



M.= 94,11

CAS [108-95-2]

EINECS 203-632-7

TARIC 2907 11 00 00

SYNONYMS: Carbolic Acid, Hydroxybenzene, Oxybencene, Phenic Acid, Phenyl Hydroxyde, Phenylic Acid

PHYSICAL DATA: crystalline mass, crystals, White or faintly pink or faintly yellowish, Soluble in water 90 g/l at 20 °C
 Hygroscopic • M.P.: 40,85 °C • B.P.: 182 °C • pH5 • Flash P.:79 °C • Ign. T.:605 °C • Vap. press. (25 °C) 40,7 hPa •
 Expl. limit1,7 %(V)8,6 %(V) •

BIBLIOGRAPHY: Merck Index **13**, 7.323 Sax **PDN750** • Safety **2**, **2745 A** • Römp **8**, **3126** • Kühn-Birett **P 11** • Ullmann
(4.)18, 177 • Beilstein **6**, **110 I**, **70 II**, **116 III**, **505 IV**, **531** • BRN 969616 • ACS **XI** • BP.**2025** • USP **43** • Ph. Eur.
10.0 (2019) **11.0** (2023) •

HAZARDOUS: C.E: 604-001-00-2 • RTECS: SJ 3325000 • LD L0 oral man 140 mg/kg • LD L0 hmn 14g/Kg • LD50
 oral rat 317 mg/kg • LC50 rat 316mg/m3 • LD50 skn rbt 850 mg/kg • LD50 skn rat 669 mg/kg • LD50 ipr mus 180
 mg/kg VLA-ED 2 ppm20 mg/m3



H: H331 • H311 • H301 • H314 • H373 • H341 •

P: P201 • P202 • P260 • P261 • P264 • P501 • P270 • P271 • P280 • P281 • P301+P310 • P301+P330+P331 •
 P302+P352 • P303+P361+P353 • P304+P340 • P305+P351+P338 • P308+P313 • P310 • P311 • P312 • P314 • P321 •
 P322 • P330 • P338 • P361 • P363 • P403+P233 • P405 •

TRANSPORT REGULATIONS: UN: 1671 • ADR: 6.1/II • IMDG: 6.1/II • IATA: 6.1/II • PAX: 669 • CAO: 676 • (D/E)
 •

OBSERVATIONS: Not recommended in areas with a very hot climate • Storage away from direct light. •

SPECIFICATIONS:

Assay (C ₆ H ₆ O)	99,0-100,5%
Identity :	
Identity according to Pharmacopoeias:	passes test
Freezing point (a.d.s.)	>= 39,5°C

Maximum limit of impurities

Appearance of solution	passes test
Acidity	passes test

Insoluble matter in H ₂ O	passes test
Non-volatile matter	0,05 %
Chloride (Cl)	0,005%
Residual solvents (Ph.Eur/USP)	passes test
m-Cresol (G.C.)	0,1%
o-Cresol (G.C.)	0,1%
p-Cresol (G.C.)	0,1%
Water (H ₂ O)	0,5 %

Elemental impurities (ICH Q3D):

Class 1	
Cd	0,5 ppm
Pb	0,5 ppm
As	1,5 ppm
Hg	1,5 ppm

Class 2A	
Co	5 ppm
V	10 ppm
Ni	20 ppm

Class 2B	
Tl	0,8 ppm
Au	10 ppm
Pd	10 ppm
Ir	10 ppm
Os	10 ppm
Rh	10 ppm
Ru	10 ppm
Se	15 ppm
Ag	15 ppm
Pt	10 ppm

Class 3	
Li	55 ppm
Sb	120 ppm
Ba	140 ppm
Mo	25 ppm
Cu	250 ppm
Sn	600 ppm
Cr	25 ppm