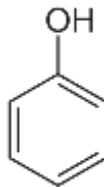


Product Information

PHENOL CRYSTALS 99,5 % AR

Hydroxybenzene; Benzenol



Product Code	O-5092	Grade	Analytical Reagent
Purity	99,5 %	CAS No	108-95-2
Molecular Formula	C ₆ H ₅ OH	Molecular Weight	94.11 g/mol
H.S.Code	2907.1110	Shelf Life	60 Months

Physical Properties

Physical state	solid	Vapour pressure	0,53 hPa at 20,0 °C
Odour	stinging	Vapour density	3,2 at 20 °C - (Air = 1.0)
pH value	5 at 50 g/l at 20 °C	Relative density	1,071 g/cm ³ at 25 °C
Melting point	40 - 42 °C	Partition coefficient: noctanol/water	log Pow: 1,47 at 30 °C
Boiling point	182 °C	Auto-ignition temperature	715 °C at 1.013 hPa
Flash point	79,0 °C	Explosion limits - upper [%]	9,5 %
Solubility in water	87 g/l at 25 °C	Explosion limits - lower [%]	1,3 %

Packaging

500 gram

Specification

Appearance	Colorless hygroscopic crystals with a characteristic odour, turns pink on exposure to air and light
Assay (GC)	min 99.5 %
Clarity of solution	Passes test
Freezing point	40.0 - 41.0 °C
Solubility (5 % in water)	Clear , colorless solution
pH (5 % solution)	4.5 – 6.0
Non-volatile matter	max 0.02 %
Chloride (Cl)	max 0.005 %
Sulphate (SO ₄)	max 0.005 %
Iron (Fe)	max 0.0001 %
Heavy metals (as Pb)	max 0.0001 %

Water (H ₂ O)	max 0.5 %
Cresols content	max 0.1 %

Safety Information and Hazard Symbols



Symbol: GHS05, GHS06, GHS08, GHS09

Signal Word: Danger

UN No.: 1671

IMCO Class No.: 6.1

Packing Group: II

Hazardous Statement: H301+H311+H331-H314-H341-H373-H411

Precaution Statement: P260-P273-P280-P303+P361+P353-P304+P340+P310-P351+P338