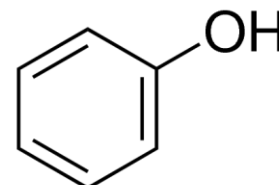


Department: Quality Control
Document No: LCPL/QSD/QAD/11
SOP No.: SOP/QC/11-P242
SPECIFICATION : PHENOL CRYSTAL 99.5% AR

Issue date	23/04/2018	Review date	22/04/2023	Location	All Units
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PRODUCT DETAILS

1	Molecular Formula	C ₆ H ₅ OH
2	Product code	P242
3	Molecular weight	94.11
4	CAS No	108-95-2
5	Risk Statement No	23/24/25-34-48/20/21/22-68
6	Safety Statement No	28-36/37-45
7	UN No.	UN1671


PACKING DETAILS

	Product code	Pack size
1	P24610	500 g

PRODUCT SPECIFICATION
SL. No. TEST PARAMETERS
LIMITS

1	Description	Colourless hygroscopic crystals with a characteristic odour.
2	Miscibility	Miscible with hot water, ethanol, ether, chloroform, glycerol, carbon disulphide and aqueous solutions of alkali metal hydroxides. 8.2 g miscible in 100 mL water at 15°C.
3	Assay	Not less than 99.5%
4	Congealing point	Not less than 40.5°C
5	Refractive index at 41.0°C	Between 1.541 and 1.543
6	pH (5% aqueous solution)	Between 4.5 and 6.0
7	Water insoluble matter	Not more than 0.005%
8	Non – volatile matter	Not more than 0.01%
9	Chloride (Cl)	Not more than 0.0005%
10	Iron (Fe)	Not more than 0.0001%
11	Lead (Pb)	Not more than 0.001%
12	Tarry matter	No reaction
13	o.m.p – Cresol	Not more than 0.15%
14	Water (by KF)	Not more than 0.5%

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SAFETY SYMBOLS



Corrosive



Toxic



Health hazard



Dangerous for the environment