



Product Specification

Product Name: PHENOL Crystals AR

Alternate Name(s)

Description

Deliquescent, colourless crystals becoming pink on exposure to light or moisture. Distinctive strong odour.

Properties

Chemical Formula:

Molecular Weight: 94.11

Product Code: PA112

CAS No. 108-95-2

General Information:

Soluble in water, alcohol, benzene, ether, acetone. Incompatible with strong oxidising agents. Combustible. Store below 4°C.

Hazard and Safety Data

UN Group: II
Class: 6.1
UN Number: 1671
Hazchem code: 2X
CS MSDS Code: 1CH8X
Poison schedule: S6
Emergency
Procedure Guide No.: 36

Quality Specification

Assay: 99.90% min.

Specific Properties and Impurities [Typical levels]:

Melting point	41-43°C
Solubility in Water	84 g/L (20°C)
Density	1.07 g/ml
Distillation range	181-182°C
Colour (Pt/Co-scale)	≤ 5
Freezing point (dry basis)	≥ 40.6°C
Clarity of solution	Passes test
Water (H ₂ O)	≤ 0.08%
Residue after evaporation	≤ 0.05%
Chlorine (Cl)	≤ 0.0002%
Sulfur (S)	≤ 0.0002%
Iron (Fe)	≤ 0.0001%
Carbonyl compounds (as mesityl oxide)	≤ 0.03%
Mesityl oxide	≤ 0.005%
alpha-Methylstyrene	≤ 0.001%
Acetophenone	≤ 0.001%

CONFORMS TO ACS

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