

Specification

Technical Data Sheet

Product Name	Phenol crystals - Pharma Grade
Product No	66917197
CAS Number	108-95-2
Storage Temperature	Ambient
Molecular Weight	94.11

Specification

Appearance	Colourless or faintly pink or faintly yellowish crystals
Acetone	≤ 1ppm (GLC)
Colour (Pt-Co)	≤ 10 Hazen units (ASTM D1686)
Grade	Complies with USP/BP/Ph.Eur Monograph
Water	≤ 0.05% (ASTM D1631)
2-Methylbenzofuran	≤ 0.01% (GLC)
3-Methylcyclopentanone	≤ 0.0009% (GLC)

Specification

Alpha-Methylstyrene	≤ 0.0001% (GLC)
Assay	99.0 - 100.5%
Benzene	≤ 1ppm (GLC)
Carbonyl Compounds	≤ 0.01% (as Mesityl Oxide)
Chlorine	≤ 2ppm (Colorimeter)
Cumene	≤ 1ppm (GLC)
Distillation Range	181 - 182°C
Iron (Fe)	≤ 0.2ppm (ICP-MS)
Methylethylketone	≤ 1ppm (GLC)
Methylisobutylketone	≤ 1ppm (GLC)
Non-Volatile Matter	≤ 10ppm (Gravimetric)
o-cresol	≤ 0.0075% (GLC)
Precipitation Test	Conforms to USP Monograph
Purity	≥ 99.9% wt. (Calculated)
Specific Density	~ 1.05g/ml (Gravimetric)
Sulphur (S)	≤ 2ppm (ICP-MS)
Toluene	≤ 1ppm (GLC)
Total Impurities	≤ 0.005% (GLC)
Water solubility	solution 1:12 clear @ 20°C
Acetophenone	≤ 0.0001% (GLC)

Specification

Colour Test Conforms to USP Monograph

Hydroxyacetone $\leq 0.0002\%$ (GLC)

Identification (IR) Conforms to Reference

Manufacture date DD/MM/YYYY

Solidification Point $\geq 40.6^{\circ}\text{C}$ (ASTM D1493)
