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VAT No.: SK2023015863**Sales department:**tel.: +421 911 993183  
web: www.prochemical.eu  
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GOST 23519-79**CHEMICAL FORMULA:** empiric: C<sub>5</sub>H<sub>5</sub>O, structural: **SPECIFICATIONS**

	1 <sup>st</sup> grade	2 <sup>nd</sup> grade	3 <sup>rd</sup> grade
Appearance	Colourless crystal or crystalline white	Colourless crystal. Pale rose or yellow mass colour is quite permissible	
Crystallizaing point, not lower	40.7	40.6	40.4
Non-volatile matter, %, max	0.001	0.008	0.01
Solubility in 100 cm <sup>3</sup> of water. at 20 deg. centigrade, min	8.3	8.0	5.0
Sulphurized phenol optic density, max	0.05	No standard	
P henol melt chrominance by platinum cobalt scale: at producer at consumer	5.0 20.0	No standard No standard	
Mass fraction of water , %, max	0.03	No standard	
Organic impurities total. %, max	0.01	No standard	

**APPLICATION:**

Synthetic phenol finds its application in the production of dephenolpropan, phenolformadehydic plastics, synthetic poliamides, and in the production of synthetic fibres based on such materials as capron, nylon, some plastics, phenol alcohols. This chemical is efficiently utilized in producing herbicides, epoxide and polycarbonate polimers, salicylic acid, disinfectants and pharmaceuticals. At rafineries the product is often used as reactive for carrying out various chemical analyses.

**TRANSPORTATION:**

The product should be transported by special railway cisterns (tankcars) with "jackets" to heat the contens before discharge.

**Note:** Phenol wich has a specific smell is considered to be inflammable, poisonous and toxic product requiring certain precaution. It may cause heavy serios burns of skin and inner organs.