

PHENOL

Monomer

Description

Petro Rabigh produces 275 KTA of Phenol, through Kellogg Brown & Root LLC (KBR) process technology.

Applications

- Phenol is used together with Acetone for polycarbonate production which is used in automotive industry and for pesticides and herbicides

Properties	Unit	Test Method	Value
Phenol (dry basis)	wt%	ASTM D6142	99.9 Min
Freeze Point	°C	ASTM D1493	40.8 Min
Total Carbonyls	wt ppm	ASTM E411	12 Max
Color, Pt/Co	-	ASTM D1686	5 Max
Water	wt%	ASTM D1631	0.03 Max
Hydroxyacetone	wt ppm	ASTM D6142	3 Max
Mesityl Oxide	wt ppm	ASTM D6142	10 Max
Iron	wt ppm	Internal method	0.5 Max
Appearance	-	ASTM D2439	Clear
Sulfuric Acid Discoloration (SAD Test)	%	Internal method	96% Min
2-Methylbenzofuran	wt ppm	ASTM D6142	10 Max
Total Organic Impurities-ex cresols	wt ppm	ASTM D6142	40 Max
Alpha-Methystyrene	wt ppm	ASTM D6142	20 Max
Total GC impurities (including 2-MBF)	wt ppm	Internal method	35 - 45
3-Methylcyclopentanone	wt ppm	Internal method	1 Max
Total Sulfur	wt ppm	ASTM D7183	5 Max

Note: All the above are indicated values.

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