

BENZENE

Monomer

Description

Petro Rabigh produces 420 KTA of Benzene, through AXENS process technology and most of it convert to Cumene.

Applications

- Benzene is a chemical component used in several industrial compounds, which are used in the manufacture of polystyrene and engineering plastics, synthetic rubber, nylon and detergents

Properties	Unit	Test Method	Value
Purity	wt%	ASTM D4492	99.9 Min
Non-aromatics	wt ppm	ASTM D4492	1000 Max
Toluene	wt ppm	ASTM D4492	500 Max
Total Nitrogen (as N)	wt ppm	ASTM D7184	0.1 Max
Total Sulfur	wt ppm	ASTM D7183	1.0 Max
Thiophene	wt ppm	ASTM D7011	0.6 max
Acid wash color	-	ASTM D848	1.0 Max
Bromine index	mg-Br/100 g	ASTM D1492	10 Max
Appearance	-	Visual	Clear liquid free of sediments and haze observed at 18.3 to 25.6 °C
Color (Pt/Co)	-	ASTM D1209	20 Max
Solidification point anhydrous basis	°C	ASTM D852	5.45 Min
Distillation Range (Including 80.1°C at 101.3 kPa)	°C	ASTM D850	1 Max
Total Chloride	wt ppm	ASTM D5808	1 Max
Specific Gravity at (15.6°C/15.6°C)	-	ASTM D4052	0.882-0.886
Water	wt ppm	ASTM D6304	300 Max
Ethylbenzene	wt ppm	ASTM D7504	1 Max
Total Oxygenated Organic Compounds	wt ppm	ASTM D7754	1 Max

Note: All the above are indicated values.

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