

Technical Datasheet Benzene

Product Description

CAS	71-43-2
Molecular Formula	C ₆ H ₆
Molecular Weight [g/mol]	78.11

Property	Unit	Test Method	Typical Value
Benzene Content	Wt. %	ASTM D4492	99.85 Minimum
Total Sulfur	ppm	ASTM D4045 / D6212 / D5453	1 Maximum
Total Nitrogen	ppm	ASTM D6069 / D4629	1 Maximum
Acid wash color	-	ASTM D848	1 Maximum
Toluene	ppm	ASTM D4492	500 Maximum
Non-Aromatics	ppm	ASTM D4492	1000 Maximum
Solidification Point (anhydrous basis)	°C	ASTM D852 / D6875	5.45 Minimum
Bromine Index	Mg/100g	ASTM D1492 / D5776	10 Maximum
Thiophene	ppm	ASTM D4735 / D1685	1 Maximum
Specific Gravity (15.6/15.6 °C)	-	ASTM D4052	0.8820 – 0.8860
Distillation Range, 760mm Hg (anhydrous basis)	°C	ASTM D850	1 Maximum including 80.1 °C
Acidity	Mg.NAOH/100ml	ASTM D847	No Free Acid
Total Chlorides (As Chlorine)	ppm	ASTM D5808 / D5194	3 Maximum
Copper Corrosion	-	ASTM 849	Number 1A
Appearance	-	Visual	Clear

Applications

Benzene is used mainly as an feedstock/intermediate to make other chemicals including Ethylbenzene, Aniline, Cumene, Chlorobenzene, Cyclohexane, Nitrobenzene and maleic anhydride.

Disclaimer

The information supplied in this bulletin to the best of our knowledge is accurate and factual as of the date printed. It is offered solely as a convenience our customers and is intended only as a guide for Benzene. Since the user's specific applications and conditions of use are beyond TKSC's control, TKSC makes no warranty or representation regarding results that may be obtained by the user. It shall be the responsibility of the user to determine the suitability of the product for the user's specific application. The information disclosed in this document is not to be construed as a recommendation to use the product in infringement of any patent rights covering the usage.