

# 3101 B E N Z E N E



Revision 01/2019

CITGO Benzene is a low-boiling aromatic, flammable liquid that is miscible with most common organic solvents. It is colorless and has a light aromatic odor. CITGO Benzene meets the requirements of ASTM D2359 for Refined Benzene-535. Specifications and typical properties are listed below. See the Safety Data Sheet for safety and regulatory information.

Property Description	Units	Specification	Typical Property	ASTM Method
ACID WASH COLOR, ACID PHASE		1 MAX	0	D848
ACID WASH COLOR, OIL PHASE		NO CHANGE	NO CHANGE	D848
API GRAVITY (60/60 F)	DEG API		28.6	D287 OR D4052
APPEARANCE			CLEAR, FREE OF SEDIMENT	
BENZENE CONTENT	WT %	99.8 MIN	99.92	GC
COLOR, Pt-Co		20 MAX	5	D1209
COPPER CORROSION		1 (B) MAX	1 (A)	D849
DENSITY @ 60 F (15.6 C)	LB/GAL		7.36	D287 (CALC'D)
DISTILLATION, IBP	DEGC		79.9	D850
DISTILLATION, DP	DEGC		80.3	D850
DISTILLATION RANGE	DEGC		0.2	D850
FLASH POINT (TCC)	DEGF		12	D56
KAURI-BUTANOL VALUE (KB)			110	D1133
OLEFINS	PPM	10 MAX	2	D1159
REFR. INDEX (TYPICAL @ 25C)			1.4987	D1218
SOLIDIFICATION POINT	DEGC	5.35 MIN	5.49	D852
SPECIFIC GRAVITY (60/60 F)			0.8838	D287 (CALC'D)
SULFUR CONTENT	PPM	2 MAX	<1	D5453
THIOPHENE	PPM	0.5 MAX	<0.2	D1685
TOLUENE CONTENT	WT%	0.50 MAX	0.15	GC



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### **Limitations of Warranty & Liability**

Seller warrants its product will meet the specifications listed herein and it has good title to the product, free and clear of all liens and security interests; SELLER MAKES NO OTHER WARRANTY, WHETHER EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Buyer or user accepts liability for determining if the product is suitable for Buyer's or user's intended use. Any recommendation as to use made by Seller is done so at Buyer's or user's risk.

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Buyer acknowledges receipt of a Material Safety Data Sheet for the product and that the product may require special handling, storage, transportation, treatment or use to comply with applicable safety and environmental standards and will take all necessary action to comply therewith. Buyer further agrees to properly label the product if it is repackaged or resold and pass on all safety information and hazard warnings to its employees, purchasers, and users and their employees.

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