

# 19023 NAPHTHOL SPIRITS 66/3



Date 01/2019

CITGO Naphthol Spirits 66/3 is an aliphatic, low-aromatic solvent consisting primarily of C9-C11 saturated hydrocarbons. It is hydrotreated to reduce aromatics and olefins. It meets Rule 66/3 requirements and ASTM D-235 Specification for Type IV, Class C, Low Dry Point, Low Aromatic Mineral Spirits. See the Safety Data Sheet for safety and regulatory information.

Property Description	Units	Specification	Typical Property	ASTM Method
ACIDITY OF RESIDUE			NEUTRAL	D1093
ANILINE POINT	DEGF	165 MAX	152	D611
API GRAVITY (60/60 F)	DEG API		50	D287 OR D4052
APPEARANCE			CLEAR	
AROMATIC CONTENT	VOL %	1.0 MAX	<0.1	D3257
BENZENE CONTENT	VOL %		<0.01	D3257
BROMINE NUMBER		0.1 MAX	<0.1	D1159
COLOR, SAYBOLT		+28 MIN	+30	D156
CORROSION, 3 HRS @ 212 F		1 (B) MAX	1 (A)	D130
DENSITY @ 60 F (15.6 C)	LB/GAL		6.49	D287 (CALC'D)
DISTILLATION, IBP	DEGF	300 MIN	318	D86
DISTILLATION, 50%	DEGF	345 MAX	332	D86
DISTILLATION, DP	DEGF	360 MAX	356	D86
DOCTOR TEST		NEGATIVE	PASS	D235
FLASH POINT (TCC)	DEGF	102 MIN	108	D56
KAURI-BUTANOL VALUE (KB)		28 - 40	33	D1133
REFR. INDEX (TYPICAL @ 25C)			1.4262	D1218
SPECIFIC GRAVITY (60/60 F)		0.785 MAX	0.78	D287 (CALC'D)
SULFUR CONTENT	PPM	5 MAX	<1	D5453
WATER	PPM		50	D6304



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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.

Buyer shall assume all risk and liability for and shall defend, indemnify, and hold Seller harmless from and against all claims, liabilities, costs, and expenses arising from or connected with the possession, transportation, handling, unloading, storage, processing or use of the product alone or in combination with other substances. Buyer's exclusive remedy and Seller's exclusive liability for damages under contract, tort, strict liability, negligence, or otherwise, shall be limited at Seller's option to the refund of the purchase price or the replacement of the product. In no event shall Seller be liable for incidental, indirect, special, or consequential damages.

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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