



**Product Description :** CITGO 's Mineral Spirits 66/3 (low aromatic Stoddard Solvent) is a medium boiling aliphatic solvent consisting primarily of C9-C12 saturated hydrocarbons with less than 1% aromatics. CITGO 's Mineral Spirits 66/3 is hydrotreated to reduce the aromatics and olefins and meets the definition of non-photochemically reactive as defined by 66/3 Rule requirements. Meets Fed Spec PD-680, type I. Meets, at a minimum, the UV requirements of 21 CFR 172.882, 172.884, 175.105, and 178.3910. See MSDS for safety/regulatory information.

Property Description	Units	Specifications	Typical Properties	*ASTM Test Method
ACIDITY (AS ACETIC ACID)	WT%	0.0010 MAX	< 0.0010	D-1613
ACIDITY OF RESIDUE			NEUTRAL	D-1093
ANILINE POINT	DEGF	140-162	152	D-611
API GRAVITY (60/60 F)	DEG API	43.2-52.3	50.3	D-287
AROMATIC CONTENT	VOL%	1.0 MAX	< 0.1	GC
BENZENE CONTENT	PPM		NONE DETECTED	GC
COLOR, SAYBOLT		+28 MIN	+30	D-156
CORROSION, 3 HRS @ 212 F		1.2 MAX	1A	D-130
CYCLOPARAFFINS	VOL%		60	GC
DENSITY @ 60 F (15.6 C)	LB/GAL		6.48	D-287
DISTILLATION, IBP	DEGF	300 MIN	320	D-86
DISTILLATION, 50%		355 MAX	335	D-86
DISTILLATION, DP	DEGF	410 MAX	383	D-86
DOCTOR TEST			NEGATIVE	D-235
EVAPORATION RATE(nBUAC=1)			0.13	D-3539
FLASH POINT (TCC)	DEGF	105 MIN	108	D-56
KAURI-BUTANOL VALUE (KB)			33	D-1133
NONVOLATILE RESIDUE	g/100 ml	0.001 MAX	< 0.001	D-1353
OLEFINS	VOL%	0.1 MAX	< 0.05	D-1159
PARAFFINS	VOL%		40	GC
REFR INDEX (TYPICAL@ 20 C)			1.4262	D-1218
SOLUBILITY PARAMETER	(cal/cc) <sup>1/2</sup>		7.7	
SPECIFIC GRAVITY (60/60 F)		0.770-0.810	0.778	D-287(cal'd)
SULFUR CONTENT	PPM	5 MAX	<1	D-5453
VAPOR PRESS, ISOTEN @68F	TORR		0.35	D-2879
VAPOR PRESSURE @ 20 C	TORR		2.5	D-5191
VISCOSITY @ 20 C	cSt		1.36	D-445

\* American Society for Testing and Materials

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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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