

Certificate of Analysis

Toluene
CAS# 108-88-3

Lot: 25-01-0458
Net Weight: 400#

CHARACTERISTICS	SPECIFICATIONS	RESULTS
Relative Density, @15.56 °C	0.865 – 0.875	0.8718
Purity, wt. %	99.7 min	99.91
Benzene, mg/kg	-	408
Benzene, wt. %	-	0.0408
Benzene, vol. %	-	0.04
Non-Aromatic, wt. %	1.2 max	0.0513
Non-Aromatic, vol. %	1.5 max	0.0823
Total Aromatics, wt. %	-	99.95
Ethylbenzene, mg/kg	-	7
Xylenes	-	9
1, 4 dioxane	10 max	<5
Acid Wash Color	-	0+
Acid Wash Color Oil Layer	-	Pass
Copper Strip Corrosion	Pass w/ 1A/1B	1A
Visual Appearance	Clear and Free	Clear and Free
Platinum Cobalt Color	20 max	<5
Distillation of Aromatic Hydrocarbons		
Distillation range to include 110.6 C	1 max	0.4
IBP	-	110.2
Dry Point	-	110.8
Acidity in mg NaOH/100mL	-	No Free Acid
Water Content, ppm	-	64
Total Sulfur Content, ppm	-	<1.0
Nitrogen, ppm	-	<1.0
Nonvolatile Residue	-	<1.0
1, 4-Dioxane	-	<5
Oxygenated by FID GC, ppm	-	
Dimethyl Ether, ppm	-	<0.5
Diethyl Ether, ppm	-	<0.5
Ethyl tert-butyl Ether (ETBE) , ppm	-	<0.5

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Methyl Tert-Butyl Ether (MTBE) , ppm	-	17.1
Diisopropyl Ether, ppm	-	<0.5
Tertiary Amyl Methyl Ether (TAME) , ppm	-	<0.5
Propyl Ether , ppm	-	<0.5
Methanol, ppm	-	<0.5



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