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n-Heptane, Pure Grade

Property	Typical Value	Specification	Test Method
Composition, wt %			Chromatography
<i>n</i> -Heptane	99.4	≥ 99.0	
<i>cis</i> -1,2-Dimethylcyclopentane and Methylcyclohexane		≤ 1.0	
<i>trans</i> -1,2-Dimethylcyclopentane		≤ 0.249	
3-Methylhexane		≤ 0.249	
Largest Other Single Component		≤ 0.149	
Density at 60 °F, lb/gal	5.73		ASTM D 1250
Color, Saybolt	+30		ASTM D 156
Nonvolatile Matter, mg/100 mL	0.5		ASTM D 1353
Copper Corrosion, 2 h at 212 °F	1		ASTM D 130
Sulfur Content, ppm	<1		ASTM D 5453
Other Properties			
Reid Vapor Pressure at 100 °F, psia	1.6		ASTM D 323
Acidity of Distillation Residue	Neutral		ASTM D 1093
Specific Gravity at 60/60 °F	0.688		ASTM D 891
Specific Gravity at 20/4 °C	0.684		ASTM D 891
API Gravity at 60 °F	74.1		ASTM D 1250
Purity by Freezing Point, mol %	99.7		ASTM D 1016
Doctor Test	Negative		ASTM D 235
Flash Point, °F	25		Estimated
Flammability Limits, vol % in Air			Literature Values
Lower	1.0		
Upper	7.0		

Product Number: 1021845

Revised: 01/09/09

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