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n-Dodecyl Methyl Sulfide

Property	Typical Value	Specification	Test Method
Composition, wt %			Capillary GC
<i>n</i> -Dodecyl Methyl Sulfide	96.2	95 min	
Isomers	3.8	5 max	
1-Dodecene		0.15 max	
Methyl Mercaptan		0.1 max	
Water	0.043		Karl Fischer
Mercaptan Sulfur, wt %		0.1 max	ASTM D 3227
Refractive Index, 20/D		1.460 – 1.462	ASTM D 1218-92
Density at 20 °C, g/mL		0.835 – 0.855	ASTM D 4052
Appearance	Clear	Clear, lightly colored liquid	Visual
Other Properties			
Molecular Formula	<i>n</i> -C ₁₂ H ₂₅ SCH ₃		
Molecular Weight, g/mol	216		
Viscosity at 25 °C, cP	3.71		
Flash Point, °C (ASTM D 93)	142		
Distillation Range at 760 mmHg, °C			
5%	294		
95%	315		
Insoluble in	Water, methanol		
Soluble in	Acetone, THF, isopropanol, pentane, heptane		

Product Number: 1024621

Code/NR: DS33DDMS.2

Revised: 07/05/05

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