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Typical Product Specifications & Properties

lauric acid

CAS Number: : 143-07-7

Specifications	Limits
Density	0.833
Slightly Soluble	oil odor
Appearance	white to pale yellow waxy crystalline solid
Assay	98.00 to 100.00 % sum of isomers
Melting Point	45.00 to 48.00 °C. @ 760.00 mm Hg
Saponification Value max	253.00 to 287.00
Vapor Pressure	0.000661 mm/Hg @ 25.00 °C
logP (o/w)	5.03
Odor	mild fatty coconut bay oil
Boiling Point	252.00 to 287.00 °C. @ 760.00 mm Hg
Vapor Density	6.91
Water Content	<0.20%



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Specifications	Limits
Boiling Point	225.00 °C. @ 100.00 mm Hg
Congeaing point	26.00 to 44.00 °C
Unsaponifiable Matter	<0.30%
Flash Point	329.00 °F.TCC
Odor Type	fatty
Refractive Index	1.4323 (45 c)
Insolubility	in water
Molecular weight	200.36
Color	colorless needles
Solubility	benzene, chloroform, alcohol, ether, petrol. ether
Chemical Structure	



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