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Typical Product Specifications & Properties

delta-decalactone

CAS Number: : 705-86-2

Specifications	Limits
Density	0.954
Very Soluble	in alcohol, propylene glycol
Appearance	colorless clear liquid
Assay	98.00 to 100.00 % sum of isomers
Specific gravity	0.95800 to 0.97600 @ 25.00 °C
Refractive Index	1.45600 to 1.45900 @ 20.00 °C
Melting Point	-27.00 °C. @ 760.00 mm Hg
Boiling Point	117.00 to 120.00 °C. @ 0.02 mm Hg
Saponification Value	323.00 to 333.00
Flash Point	> 230.00 °F.TCC
logP (o/w)	2.42
Vapor Pressure	0.001000 mm/Hg @ 20.00 °C



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Specifications	Limits
Shelf Life	12.00 month(s) or longer if stored properly
Odor	Sweet, creamy, lactonic, fatty, coconut, milky
Storage	store in cool, dry place in tightly sealed containers, protected from heat and light
Taste	Coconut, creamy, fatty, buttery, milky and nutty with a slightly fruity nuance
Pounds/Gallon	7.972 to 8.121
Boiling Point	281.00 °C. @ 760.00 mm Hg
Acid Value	5.00 max. KOH/g
Odor Type	coconut
Insolubility	in water
Molecular weight	170.28
Color	colorless liquid



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