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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 |
| Insolubility | in water |
| Refractive Index | 1.4323 (45 c) |
| logP (o/w) | 5.03 |
| Odor | mild fatty coconut bay oil |
| Boiling Point | 252.00 to 287.00 °C. @ 760.00 mm Hg |




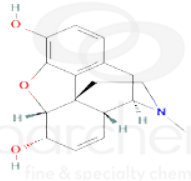
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| Specifications | Limits |
|-----------------------|--|
| Vapor Density | 6.91 |
| Water Content | <0.20% |
| Boiling Point | 225.00 °C. @ 100.00 mm Hg |
| Congealing point | 26.00 to 44.00 °C |
| Color | colorless needles |
| Chemical Structure |  <p>parchem fine & specialty chemicals</p> |
| Unsaponifiable Matter | <0.30% |
| Molecular weight | 200.36 |
| Flash Point | 329.00 °F.TCC |
| Odor Type | fatty |
| Solubility | benzene, chloroform, alcohol, ether, petrol. ether |
| Chemical Structure |  <p>parchem fine & specialty chemicals</p> |



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