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Product Specifications

Catalogue Number	37025
Product	L-Menthol (-)- <i>p</i> -Menthan-3-ol (1 <i>R</i> ,2 <i>S</i> ,5 <i>R</i>)-2-Isopropyl-5-methylcyclohexanol
CAS Number	2216-51-5
Molecular Formula	C ₁₀ H ₂₀ O
Molecular Weight	156.27
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Appearance	Prismatic or acicular shiny large crystals
Odor	Pleasant and characteristic
Melting Point	41 - 44 °C
Optical Rotation	[α] _D ²⁰ = -45 to -51 ° (L-Menthol) [α] _D ²⁰ = -2 to +2 ° (DL-Menthol)
Oxidizable Substances	Readily oxidizable substance in DL-Menthol : Purpule coloration of KMnO ₄ solution should persist for NLT 5 min.
Non-Volatile Matter	≤ 0.05%
Related Substances	Individual impurities : ≤ 0.3% Total impurities : ≤ 2%
Purity by GC	98 - 102%
Grade	USP
Storage	Store at RT
Additional Information	Identification A, B : To pass test Congealing range of DL-Menthol : DL-Menthol should congeal at temperature between 27 - 28 °C. After addition of few mg of dried DL-Menthol to the congealed mass, the temperature should rise to 30.5 to 32.0 °C.

For Laboratory Use Only