

CERTIFICATE OF ANALYSIS

Items	Standards
Identification	Colorless, transparent hexagonal or needlelike crystals.
Melting point(°C)	41 ~ 44°C
Solubility	1g soluble in 5ml of 90%(v/v) alcohol, forming a clear solution
Specific rotation (25°C)	-45° ~ -51°
Limit of Nonvolatile residue (%)	Not overrun 0.05 under condition of 105°C
Organic volatile impurities	Solvent-Use dimethyl sulfoxide
Chromatographic purity	The peak response due to menthol is not less than 97%
L-Menthol	≥97%
Lead heavy metals	≤0.0%
Heavy metals	≤10ppm
Residue on ignition	≤0.1%
Related substances	Examine by gas chromatography
Conclusion	Analytical results conforming to standard BP2008/USP31

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