

# Lotioncrafter

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48 Hope Ln

Eastsound, WA 98245

Tel: 360-376-8008

## Specification Sheet

### Menthol Crystals

CAS No. 2216-51-5

Characteristic	Specification USP
Appearance	Colorless large, shiny crystals, needle-like with a pleasant peppermint odor.
Identification A	Retention time of the major peak of the sample solution corresponds to that of the Standard solution, as obtained in Assay.
Identification B (Specific optical rotation)	-45° - -51°
Solubility	Slightly soluble in water, very soluble in alcohol
Assay	98.0 – 102%
Nonvolatile Residue	NMT 0.05% w/w
Related Compounds (Known)	
<i>Menthone</i>	NMT 0.3%
<i>Isomenthone</i>	NMT 0.3%
<i>Isopulegol</i>	NMT 0.3%
<i>Neomenthol</i>	NMT 0.3%
<i>Pulegone</i>	NMT 0.3%
Unknown Impurities	NMT 0.3%
Total Impurities (known and unknown)	NMT 2.0%
Melting Range of l-Menthol	41.0° – 44.0° C
Congealing	27 – 32.5° C
Specific Optical Rotation	-45° to -51°

Country of Origin: India

Storage & Shelf-life: 3 years from the date of manufacture if stored in a cool, dry place below 30° C in tight container.