

Technical Data Sheet

Version: 1.0
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Date: 18 / 6 / 2026



Item Name:

MENTHOL

PRODUCT INFORMATION

Chinese Name:	薄荷醇
Commodity Name:	Menthol
Chemical Name:	(1R,2S,5R)-5-Methyl-2-(1-Methylethyl)Cyclohexanol
Other Name:	Menthol Crystal/ L-Menthol
CAS No.:	2216-51-5
Molecular Weight:	156.3
Molecular Formula:	C ₁₀ H ₂₀ O
FEMA:	2665

PRODUCT DESCRIPTION

Produced from Mentha Arvensis Oil which are distilled from the leaves and stems of mint.

TECHNICAL SPECIFICATION

Index	Standard
Appearance	Colorless, hexagonal crystals, usually like needles, as fused masses, or as a crystalline powder
Odor	Peppermint
Boiling Point	212°C
Melting Range or Temperature	41 ~ 44°C
Solubility	Very soluble in alcohol, volatile oils; slightly soluble in water
Solubility in Alcohol	One ml dissolves in 1 ml of 95% ethanol
Identification (Infrared Spectra)	The spectrum of the sample exhibits relative maxima at the same wavelengths as those of the spectrum below
Specific Rotation	-45° ~ -51°
Assay	99% min
Residue on Evaporation	NMT 0.05%

Product conforms to fcc standard, can be used for cosmtics.

APPLICATION

Menthol is cooling, refreshing, and have a pleasantly strong minty aroma. They are often used in food and cosmetics including oral care products.

PACKING, LOADING AND SHELF LIFE

Packing: 25kg fiber drum

Shelf Life: 36 months when stored in cool, dry and ventilated warehouse, away from incompatible materials.

DISCLAIMER

The information provided in this data sheets is for informational purposes only is considered reliable, but Rawchem doesn't guarantee how any other products associated with this information will behave in combination with variables to other matters. It's recommended to make adaptations to local working conditions and to the raw material to be used.

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PRODUCT IMAGE



** The image shown here is indicative only. The actual product may differ.*

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