



ECO ORGANICS

An ISO 9001 : 2008 Certified Company

- Flavours
- Fragrances
- Ingredients

TECHNICAL DATA SHEET

NATURAL MENTHOL

Product Name	Natural Menthol
Chemical Name	5-Methyl-2-(propan-2-yl)cyclohexan-1-ol
Synonyms	L-Menthol; Levomenthol; L-p-Menthan-3-ol; Natural Menthol Crystals
CAS No.	2216-51-5
EINECS / EC No.	218-690-9
FEMA No.	2665
Molecular Formula	C ₁₀ H ₂₀ O
Molecular Weight	156.27 g/mol
Botanical Source	Mentha arvensis
Description	Colourless to white hexagonal crystals or needles; characteristic peppermint odour
Appearance of Solution	Clear and colourless (in ethanol)
Melting Range	41.0°C to 44.0°C (per specification)
Specific Optical Rotation (20°C)	(–) 49.0° to (–) 51.0° (per specification)
Assay (GC)	Min. 99.0%
Total Impurities (GC)	Max. 1.0%
Boiling Point	Approx. 214.6°C (literature)
Flash Point	Approx. 93°C (>199°F), Closed Cup (literature)
Solubility	Practically insoluble in water; very soluble in ethanol, ether, chloroform and glacial acetic acid; freely soluble in fatty oils and liquid paraffin
Labeling	Label states whether the contents are Natural L-Menthol
Handling	Wear safety glasses/goggles and rubber gloves when handling. Avoid generating dust. Refer to the Safety Data Sheet for full handling information
Packing	New Fibre Drum / HDPE Bag with double LDPE liner, 25 Kg Net, or as per customer requirement
Storage Condition	Store at room temperature in a tightly closed container, in a cool, dry, dark place away from direct sunlight and heat, to minimise sublimation loss
Shelf Life	3 years if sealed and stored properly
Application	Flavour & Fragrance ingredient – oral care, confectionery, pharmaceuticals-adjacent flavouring, cosmetics, and topical/cooling applications, subject to end-use regulatory requirements

Note: Values marked “(literature)” are typical published physical constants. All other values are as per the product specification. Please refer to the accompanying Certificate of Analysis (COA) for batch-specific results.

Date: 26 September, 2026

Authorized Signatory

Factory :- B-5/C-5 to C-7, D-20, Ajeetpur Indl. Estate, Rampur-244901 (U.P.) INDIA Mob.: +91 94122 51810, +91 97209 99980



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For Eco Organics



Partner

(Company Seal)