



ECO ORGANICS

An ISO 9001 : 2008 Certified Company

- Flavours
- Fragrances
- Ingredients

CERTIFICATE OF ANALYSIS

NATURAL MENTHOL

PRODUCT NAME	NATURAL MENTHOL	CAS NO.	2216-51-5
EC NO.	218-690-9	STATUS	Natural
BOTANICAL SOURCE	Mentha arvensis	FEMA NO.	2665
COUNTRY OF ORIGIN	India	LOT NO.	_____
METHOD OF MFG.	Fractional Distillation & Crystallization	MONTH OF MFG.	_____
MONTH OF EXP.	_____	LOT QTY. / PACKAGING	_____
HSN CODE	29061100	SAMPLE TYPE	Reference / Development Sample

Parameter	Test Method	Specification (Range)	Result	Remarks
Description	Visual	Colourless to white hexagonal crystals or needles; peppermint odour	Complies	Passed
Solubility	Visual	Very soluble in Ethanol; freely soluble in Glacial Acetic Acid	Complies	Passed
Melting Range	Melting Point Apparatus	41.00°C to 44.00°C	42.3°C	Passed
Specific Optical Rotation @ 20°C	Polarimeter	(-) 49.00° to (-) 51.00°	(-) 50.5°	Passed
Assay (GC)	Gas Chromatography	Min. 99.00%	99.30%	Passed
(-)-Menthone (GC)	Gas Chromatography	Max. 0.30%	0.25%	Passed
(-)-Isopulegol (GC)	Gas Chromatography	Max. 0.50%	0.10%	Passed
Unspecified Individual Impurity (GC)	Gas Chromatography	Max. 0.50%	Nil	Passed
Total Impurities (GC)	Gas Chromatography	Max. 1.00%	0.70%	Passed
Non-Volatile Residue	Gravimetric	Max. 0.05% (1 mg)	0.01%	Passed

Storage: Store at room temperature in a tightly closed container, in a cool, dry, dark place away from direct sunlight and heat sources, to minimise sublimation loss.

Disclaimer: This product complies with the specifications based on the tests conducted, as mentioned in the table above.

Date: 26 September, 2026

Authorized Signatory

For Eco Organics


Partner

(Company Seal)