

Certificate of Analysis

Product Name:	Menthol Crystals	Cas Number:	2216-51-5
Product Code #:	EOC111	Fema Number:	2665
Lot#:	2508000751	FDA Number:	182.20
PO#:	ECPO-3216	Mfg Date:	08/13/2025
Country of Origin:	India		

PARAMETER	STANDARD SPECIFICATION	RESULT
Description:	Prismatic or, acicular shiny Large Crystal, odor pleasant & characteristic	Complies
Identification: A	The retention time if the major peak of the sample solution corresponds to that of the menthol peak of the standard solution, as obtained in the Assay	Complies
B	If it meets the requirements in the Specific tests for Optical Rotation/Specific Rotation	Complies
Readily Oxidized Substance in DL Menthol:	Purple coloration of KMNO4 solution should persist for NLT 5.0 minutes	COMPLIES
Congealing range of DL-Menthol:	dl-menthol should congeal at a temperature between 27 to 28 degrees C. After addition of few mg of dried dl-menthol to the congealed mass, the temperature should rise to 30.5 to 32.0 degrees C.	Complies
Non Volatile Residue:	NMT 0.05%	0.03%
Optical Rotation:	L-Menthol -45 to -51 degrees DL-Menthol -2 to +2 degrees	-45.45 COMPLIES
Melting Range:	41 - 44 degrees C	41.9 - 42.8 deg C
Related Compounds:	Individual Impurities: NMT 0.30% Total Impurities: NMT 2.0%	0.09% 0.26%
Assay (by GC) L-Menthol Content:	98.0% to 102.0%	100

Conforms to USP 42

THIS ITEM SOLD BY ESSENTIAL OIL COMPANY IS 100% NATURAL PRODUCT AND CONTAINS NO ARTIFICIAL OR SYNTHETIC INGREDIENTS.

STORE IN FULL, TIGHT CONTAINERS IN COOL, DRY PLACE. PROTECT FROM LIGHT.

CERTIFICATE OF ANALYSIS DISCLAIMER

Submission and receipt of this Certificate of Analysis does not preclude the purchaser or manufacturer from testing this item in the product will be used in. Application of this product should be tested to ensure suitability in the final product. Essential Oil Company's responsibility of this manufactured or distributed item will be limited and subject to our Limitation of Product Liability policy (see Ordering Information).

Warrantied: 1 Year from Date Shipped
Shelf Life: 2 Years from Date Shipped

Quality Assurance