



ARORA AROMATICS PVT. LTD.

Natural Mint Products, Natural Essential Oils, Natural Isolates & Specialities

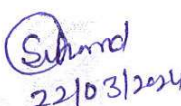
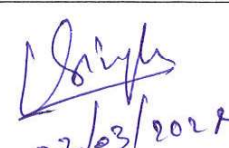
2 K.M. Stone, Moradabad Road, Sambhal-244302, (U.P.) INDIA

Phone : +91-5923-231924, 230624, 232373. Fax : +91-5923-231564

Email : aa@mentholcrystals.net.in, Website : www.aroraaromatics.com

Format No.: -	AAPL/F166	Revision No.: -	03	Effective Date	17-12-2023
CERTIFICATE OF ANALYSIS					
Name of Product	MENTHOL CRYSTALS	A.R. No.	AAPL/FG/2403096		
Batch No.	MLC-2403026	Batch Size	5000.00 KGS.		
Qty. Released	5000.00 KGS.	Mfg. Date	16-MAR-2024		
Drug License No.	09/2013	Exp. Date	15-MAR-2029		
Reference Specification	USP-42	Specification No.	AAPL-001		
		Release Date	22-MAR-2024		

PARAMETER		STANDARD SPECIFICATION	RESULT
Description		Prismatic or, acicular shiny crystals, odour Pleasant & Characteristic.	Complies
Odor		A pleasant, peppermint-like odor.	Complies
Solubility		Slightly soluble in water, very soluble in alcohol, in chloroform, in either; and in solvent hexane, freely soluble in glacial acetic acid, in mineral oil, and in fixed and volatile oils.	Test Passes
Identification	A	The retention time of 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	It meets the requirements in Specific Test for Optical rotation/Specific Rotation.	Complies
Non-Volatile Residue		NMT 0.05%	0.02%
SOR		-45 To -51 ⁰	-49.80 ^o
Melting Range		41 ⁰ - 44 ^o C	43 ^o C
Assay By GC	(L-Menthol Content)	98.0% to 102.0%	99.66%
Related Substances (By-GC)	Individual impurities	NMT 0.30%	0.08%
	Total Impurities	NMT 2.0%	0.26%
Packaging and Storage		Preserve in tight containers, preferably at controlled room temperature.	
Inference: The product conforms the standard specification.			

Analyzed By		Checked By	
Signature/Date	 22/03/2024	Signature/Date	 22/03/2024

Approved By
Seal/Date

