



SHARP MINT LIMITED

F-76 C & D INDUSTRIAL AREA, BHIWADI, DIST. ALWAR (RAJ), 301019
RAJASTHAN, INDIA

CERTIFICATE OF ANALYSIS

(UNDER THE DRUGS & COSMETICS ACT, 1940)

NATURAL MENTHOL

ANALYTICAL REPORT No.	U3-733/23-24	INVOICE No.	BHE/23-24/176
PRODUCT	MENTHOL CRYSTALS USP (SHARP BRAND)	BATCH No.	H3-087/L/23-24
MANUFACTURER NAME	SHARP MINT LIMITED	MFG. LICENCE No.	RAJ/2357
MANUFACTURED BY		SUPPLIED BY	
SHARP PRODUCT CODE		SAMPLE QUANTITY	
SAMPLE RECD.ON		DATE OF REPORT	
MFG. DATE	14-01-2024	EXPIRY DATE	13-01-2029
BATCH SIZE (IN KG):		QUANTITY DISPATCHED (IN KG):	
CUSTOMER PRODUCT CODE		P.O. NO.	

PROTOCOLS OF TEST

ANALYSIS		SPECIFICATION USP 43	RESULTS	
APPEARANCE & ODOR		Colourless shiny crystals, usually needle-like, has a pleasant peppermint like odour	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 Assay	Passes	
	B	It meets the requirement in Specific Tests for Optical Rotation <7815> procedure, Specific Rotation.	-49.6 ^o	
ASSAY		98.0% - 102.0%	99.34%	
IMPURITIES	LIMIT OF NON VOLATILE RESIDUE		NMT 0.05% W/W	
	Related Compounds	Menthone	NMT 0.3%	0.14304%
		Isomenthone	NMT 0.3%	0.04871%
		Isopulegol	NMT 0.3%	0.00000%
		Neomenthol	NMT 0.3%	0.05050%
		Pulegone	NMT 0.3%	0.00000%
	Total Impurities	NMT 2.0%	0.24225%	
SPECIFIC TESTS	Melting Range of L-Menthol		41.0 ^o to 44.0 ^o C	
	Specific Optical Rotation		-45 ^o to -51 ^o	
PACKAGING & STORAGE CONDITION : Below 30 ^o C IN TIGHT CONTAINER				

REPORT: The above mentioned sample of Menthol Crystal (Levo,Natural) extracted from Mentha Arvensis Oil complies USP 43 in all respect.

P. Kirodiwal
21/02/2024
Pankaj Kirodiwal
QC Incharge

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