



Hindustan

MINT & AGRO PRODUCTS Pvt. Ltd.

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A Company since 1976

DRUG LIC. (USP/BP/IP)No. 27 of 1997
WHO-GMP, US-FDA
ISO-9001:2015
ISO-14001:2004
ISO-22005:2005
GLP, KOSHER,
HALAL, HACCP, REACH
FSSAI- Certified Company

TECHNICAL DATA SHEET

PRODUCT NAME : Menthol Bold Crystal USP

Botanical Source : *Mentha Arvensis L.*

CAS No. : 2216-51-5 Product code : HM-MBCRY-USP
HS Code : 30039021 EC Number : 218-690-9
FEMA : 2665

PROPERTIES:-

Molecular formula : C₁₀H₂₀O
Mol. Wt. : 156.7
Boiling Point : N/A
Melting Point : N/A
Chemical Name : (1R,3R,4S)-5-methyl-2-(methylethyl)-cyclohexanol

DESCRIPTION: -

Colorless, hexagonal crystal, usually needle-like or infused masses or crystalline powder. Has a peppermint like odor.

SOLUBILITY: -

Slightly soluble in water, very soluble in alcohol, in chloroform, either and in solvent hexane, freely soluble in glacial acetic acid, in mineral oil, and in fixed and volatile oil.

SPECIFICATION:-

Specified Test	Specification	TEST METHOD
1). Physicochemical	Standard	
a). Identification - A;-	As per USP	USP 43
b). Specific Rotation at 20° A - L-Menthol	-45.0° to -51.0°	USP 43
c). Melting Point of L-Menthol	41°C to -44°C	USP 43
d).Examine the chromatography obtained in the test for related substance property	AS per USP	USP 43

MANUFACTURERS & EXPORTER :-

MENTHOL, PEPPERMINT OIL , MINT ALLIED PRODUCTS, ESSENTIAL OILS, HERBAL EXTRACTS, AROMATIC CHEMICALS, PHYTO CHEMICALS, SPICE OILS



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e). ASSAY	98.0% to 102.0%	USP 43
f). ASSAY (ON GC)	MIN 99.0%	Gas Chromatography
g). Limit of nonvolatile Residue (%w/w)	NMT 0.05%	USP 43
h). Related Substance (a). Individual impurities (b). Total impurities	NMT 0.3% NMT 2.0%	USP 43

LABELING: -

Label it to indicate whether it is levorotatory or racemic.

HANDLING: -

Wear safety glasses or goggles and rubber gloves when handling. If transferring to or from the container use proper grounding procedures. See Material Safety Data Sheet for full information.

PACKING: -

In new FIBRE/HDPE of 25Kgs. Net, packed at controlled room temperature or according to customer's requirements.

STORAGE: -

Store at room temperature and kept in closed container, in a dark, fresh and dry place and lining with thermacol sheet.

SHELF LIFE: -

3 Years if sealed and stored properly.

For: Hindustan Mint & Agro Products Pvt. Ltd.

An ISO Certified Co.

Authorized Signatory

*electronically generated document need not to be signed.

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