



Hindustan

MINT & AGRO PRODUCTS Pvt. Ltd.

Office - Barehsehi Street, Chandausi- 244412 (India)
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E-mail : hindustan@hindustanmint.in, phoolprakash@hindustanmint.in
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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

PRODUCT NAME: - Menthol Bold Crystal IP

Botanical Source: *Mentha arvensis*

CHEMICAL PROPERTIES: -

CAS No.	: 2216-51-5	PRODUCT CODE	: HM-MBCRYIP
HS Code	: 30039021	EC NUMBER	: 218-690-9
Flash Point	: 93.3°C	FEMA	: 2665
Boiling Point	: N/A		

DESCRIPTION:-

Colorless, super dry, transparent with Mint odor & Large Crystal.

SOLUBILITY:-

Practically insoluble in water, very soluble in ethanol (96%) and in light petroleum, freely soluble in fatty oils and in liquid paraffin, very slightly soluble in glycerol.

SPECIFICATION:-

Parameters	Specification	Test Method
1). Physicochemical		
a). Identification – A;- By IR	Determine by infrared absorption spectrophotometry (2.4.6.). Compare the spectrum with that obtained with menthol RS or with the reference spectrum of menthol.	IP
B:- Colour test	Dissolve 10 mg in 1 ml of sulphuric acid and add 1 ml of a 1% w/v solution of vanillin in sulphuric acid; an orange - yellow color is produced. Add 1 ml of water; the color changes to violet.	IP
C:- Liquefies test	When triturated with about an equal weight of camphar or chloral hydrate or phenol, the mixture liquefies.	IP
b). Appearance of Solution	Dissolve 1.0 g in 10 ml of ethanol 95 Percent. The solution is not more opalescent than opalescence standard OS4, and not more intensely coloured than reference solution RS6.	IP

MANUFACTURERS & EXPORTER :-

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



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c). Acidity	To 1.0 g in a 100 ml glass stoppered conical flask add 20 ml of water , boil until dissolution is complete , cool, stopper the flask and shake vigorously for 1 minute . Add a few crystals of the substance under examination to initiate crystallisation, shake vigorously for 1 minute filter, To 5 ml of the filtrate add 0.05 ml of methyl red solution and 0.05 ml of 0.01 M sodium hydroxide; The solution is Yellow.	IP
d). Specific Rotation at 20°C (-49.0° to -51.0°	IP
e). ASSAY (By GC)	Min 99.0%	Gas Chromatography
f). Congealing	27° to 28°	IP
g).Related substances (By GC)		IP
Total Impurity	Not more than 1.0	

LABELING:-

The label states whether the contents are Menthol.

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 GI cane of 25 Kgs. Net, packed at controlled room temperature or according to customer's requirements.

STORAGE:-

Store Protected from light and moisture at a temperature not exceeding 30°C.and lining with thermacol sheet.

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SHELF LIFE:-

3 Years if sealed and stored properly.

For: Hindustan Mint & Agro Products Pvt. Ltd.

Authorized Signatory



*electronically generated document need not to be signed.

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