

CERTIFICATE OF ANALYSIS

Sample Name	:	MENTHOL	Standard	:	EP 8.0
Date of Receipt	:	15.10.2016	Molecular Weight	:	156.27
Date of completion	:	15.10.2016	IUPAC Name	:	5-Methyl-2-(1-methyl ethyl) cyclohexanol
Batch Number	:	M 19103	FEMA	:	2665
Date of Manufacturing	:	15.10.2016	CAS	:	2217-51-5
Date of Expiry	:	14.10.2021	EINECS	:	213-650-9
Batch/Lot Size	:	4650 Kg	Country of Origin	:	India
Sample Quantity	:	20 gm.	BTN	:	29061100
Chemical Formula	:	C ₁₀ H ₂₀ O			
P.O. No.	:				

TEST RESULTS

CHARACTERS

Colour : Colourless or white
Odour : Peppermint odour
Texture : Shiny crystals
Flavour : Characteristics
Solubility : Practically insoluble in water, very soluble in Ethanol(96%) and in light petroleum, freely soluble in fatty oils and in liquid paraffin.

Melting point : 43.0°C Approx. (Limit About 43 °C)

IDENTIFICATION

First Identification
TEST 'A' - Complies with E.P.
TEST 'C' - Complies with E.P.
Second Identification
TEST 'B' - Complies with E.P.
TEST 'D' - Complies with E.P.

APPEARANCE OF SOLUTION : Complies with E.P.

ACIDITY OR ALKALINITY : Complies with E.P.

SPECIFIC OPTICAL ROTATION : -49.50° (Limit -48° to -51°)

RELATED SUBSTANCES : Complies with E.P.

RESIDUE ON EVAPORATION : 0.02343% (Limit 0.05%)

BELOW TESTS AS PER CUSTOMER SPECIFICATION/REQUIREMENTS -

Chromatographic Purity : 99.64%
Thymol : Complies
Nitromethane : Complies
Solubility : 1gm. Dissolves in 1 ml alcohol (95%).
Boiling Point : 212°C.
Pulegone : 0.0289

Note:

1. This product contains no allergens.
2. This product does not contain any GMO material & is not manufactured from GMO derived ingredients.

In the opinion of the undersigned, the sample referred, to above is of standard quality ~~is not of standard quality~~ as defined in EP-8.0 and customer specification ~~the Act and the rules made there under for the reasons given below.~~

IMPORTANT

The certificate does not release the user from the responsibility of undertaking their own tests.