

MENTHOL (NATURAL CRYSTALS)
(Technical Data & Application)

1.PRODUCT AND COMPANY	
IDENTIFICATION	
Product Name	MENTHOL (NATURAL)
Chemical Name	5-METHYL-2-(1-METHYLETHYL) - CYCLOHEXANOL
Molecular weight	156.27
Empirical formula	C ₁₀ H ₂₀ O
CAS No.	2216 – 51 – 5
EINECS #	218 – 690 - 9
COE No.	63
JECFA No.	427
FEMA No.	2665
2.PHYSICAL PROPERTIES	
Appearance	Shiny Crystals
Colour	Colorless
Odour	Pleasant and characteristic
Taste	Refreshing, pleasant followed by cooling taste
3. TYPICAL PROPERTIES	
Solubility	Soluble in Alcohol.
Specific Rotation	-45° to -51°
Melting Point	41.0°C to 44.0°C
Non volatile residue	0.05% max
Flash Point	93°C (close cup method)
Boiling point	212°C. @ 760 mm Hg.
Vapor pressure	0.8 mm Hg. @ 20°C.
PF	Not available
Autoignition Temperature	Not available
Explosion Limits , lower	Not available
Explosion Limits , upper	Not available

4. SHELF LIFE & STORAGE	
Shelf life	5 Years
Storage condition	Keep in a tightly closed container, Stored in a cool, dry, ventilated area between 10 deg C to 30 deg. C. .
5. HEAVY METALS LIMITS	
Arsenic	3.0 ppm Max.
Cadmium	1.0 ppm Max.
Lead	10.0 ppm Max.
Mercury	1.0 ppm Max.
6. G.C. ASSAY	
Purity	99.40%.min.
7. HAZARD IDENTIFICATION	None, as per MSDS .
8. ANTIOXIDANT	Nil
9. QUALITY ASSURANCE	Company Having WHO/GMP
10. SHIPPING INFORMATION	
HS Code /ITC Code	2906 . 11 00
Batch/Lot Size	1000 Kgs. To 9000 Kgs.
Container Type	25 KGS. Polylined Paper Fiber Drums .
Certification	KOSHER CERTIFIED, HALAL CERTIFICATE, HACCP.
THE ANALYTICAL DATA MENTIONED IN THIS SHEET ARE IN CONFIRMITY OF THE OFFICIAL MONOGRAPH OF B.P/E.P/U.S.P/J.P AND I.P	

APPLICATION:- Menthol is employed widely in pharmaceutical preparations where it serves as a local Anesthetic, as a relief for headache, and as an antiseptic of the respiratory tract. It is also used in tooth Pastes, mouth washes, and similar oral preparations. Menthol also serves for the flavouring of candies And chewing gums. Separately from the addition of a perfume to certain cosmetic products, Menthol may Be added to introduce a cooling effect in shave creams, after-shave lotions etc.

IMPORTANT

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