



Tilley Distribution GmbH
 Ulmenstrabe 37-39
 60325 Frankfurt am Main
 Germany

MENTHOL CRYSTALS INDIAN

LOT# L163157

MEN0002

CAS#: 2216-51-5

FEMA#: 2665

PRODUCT IDENTIFICATION

PRODUCT NAME	MENTHOL CRYSTALS INDIAN
MOLECULAR FORM	C10 H20 O
MOLECULAR WT	156.27
MELTING POINT (C)	43 deg C
BOILING POINT (C)	212 deg C
FLASH POINT (F)	201 deg F
SHELF LIFE (DAYS)	1825
MANUFACTURE DATE	16/11/2021
EXPIRATION DATE	15/11/2026

PHYSICAL SPECIFICATIONS	RANGE	RESULTS
APPEARANCE	COLORLESS HEXAGONAL CRYSTALS, USUALLY NEEDLE-LIKE, OR IN FUSED MASSES, OR CRYSTALLINE POWDER.	CONFORMS
ODOR	REFRESHING, LIGHT, DIFFUSIVE ODOR WITH A SWEET PUNGENCY	CONFORMS
SOLUBILITY	VERY SOLUBLE IN ALCOHOL, VOLATILE OILS; SLIGHTLY SOLUBLE IN WATER	

ANALYTICAL SPECIFICATIONS	RANGE	RESULTS
PURITY (BY GC)	99.0 % MIN (L-MENTHOL)	99.28%

OTHER SPECIFICATIONS	RANGE	RESULTS
MELTING POINT RANGE	41.0 - 44.0 °C (L-MENTHOL)	42.6°C
RESIDUE ON EVAPORATION	NMT 0.05%	0.031%
SPECIFIC OPTICAL ROTATION	-45° TO -51° (L-MENTHOL)	-49.90°
IDENTIFICATION	MEETS REQUIREMENTS	CONFORMS

STABILITY

STABLE UNDER NORMAL CONDITIONS

STORAGE

STORE IN COOL DRY PLACE AWAY FROM HEAT AND SUNLIGHT, BELOW 25°C
 SHELF LIFE CONSIDERATIONS APPLY ONLY FOR ORIGINAL UNOPENED CONTAINERS

COMMENTS

PRODUCT MEETS THE REQUIREMENTS SET FORTH BY FCC 12TH EDITION/USP 42
 COUNTRY OF ORIGIN: INDIA