

CERTIFICATE OF ANALYSIS

**MENTHOL CRYSTALS POLAR BEAR BRAND**

Specification		
Items	Standard	result
COLOUR	COLORLESS TRANSPARENT PRISM OR NEEDLE LIKE CRYSTALS	QUALIFIED
FRAGRANCE	LIKE ASIAN MENTHOL CRYSTALS SMELL	QUALIFIED
IDENTIFICATION	A. THE RETENTION TIME OF THE MAJOR PEAK OF THE SAMPLE SOLUTION CORRESPONDS TO THAT OF THE STANDARD SOLUTION, AZ OBTAINED IN THE ASSAY. B. IT MEETS THE REQUIREMENTS IN SPECIFIC TESTS FOR OPTICAL ROTATION, SPECIFIC ROTATION (7815).	QUALIFIED
MELTING POINT	41-44° C	41.6-42.6 °C
SOLUBILITY	SLIGHTLY SOLUBLE IN WATER. VERY SOLUBLE IN ALCOHOL, IN CHLOROFORM IN ETHER AND IN SOLVENT HEXANE FREELY SOLUBLE IN GLACIAL ACETIC. IN MINERAL OIL AND FIXED AND VOLATILE OILS.	QUALIFIED
SPECIFIC ROTATION	-45° - -51°	-49.35°
VALUATION	98.0%-102.0%	99.25%
LIMIT OF NON VOLATILE RESIDUE	≤0.05%	0.020
INDIVIDUAL IMPURITIES	≤0.1%	0.02%
TOTAL IMPURITIES	≤2.0%	1.20%
100 MESH	PASS	PASS
SALMONELLA	NEGATIVE	NEGATIVE
ASSAY(PURITY)	99.0%-100.5%	99.76%
TOTAL AEROBIC MICROBIAL COUNT	≤500 CFU/g	56 CFU/g
MOULDS AND YEAST COUNT	≤100 CFU/g	10 CFU/g
ESCHERICHIA COIL	NOT DETECTED	NOT DETECTED
S, AUREUS	NOT DETECTED	NOT DETECTED
COLIFORMS	NOT DETECTED	NOT DETECTED
CONCLUSION	THE ABOVE-MENTIONED PRODUCT CONFORMS TO BP2015/USP38/FCCVIII/E300	
	<b>Result</b>	<b>Pass</b>