

## Menthol Crystals

NO.	Items	Standard	Result
1	COLOUR	COLORLESS TRANSPARENT PRISM OR NEEDLE LIKE CRYSTALS	QUALIFIED
2	FRAGRANCE	LIKE ASIAN MENTHOL CRYSTALS SMELL	QUALIFIED
3	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
4	MELTING POINT	41-44° C	41.6-42.6 °C
5	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
6	SPECIFIC ROTATION	-45° - -51°	-49.35°
7	VALUATION	98.0% - 102.0%	99.25%
8	LIMIT OF NON VOLATILE RESIDUE	<0.05%	0.020
9	INDIVIDUAL IMPURITIES	<0.1%	0.02%
10	TOTAL IMPURITIES	<2.0%	1.20%
11	100 MESH	PASS	PASS
12	SALMONELLA	NEGATIVE	NEGATIVE
13	ASSAY (PURITY)	99.0% - 100.5%	99.76%
14	TOTAL AEROBIC MICROBIAL COUNT	<500 CFU/g	56 CFU/g

<b>15</b>	MOULDS AND YEAST COUNT	<100 CFU/g	10 CFU/g
<b>16</b>	ESCHERICHIA COIL	NOT DETECTED	NOT DETECTED
<b>17</b>	S, AUREUS	NOT DETECTED	NOT DETECTED
<b>18</b>	COLIFORMS	NOT DETECTED	NOT DETECTED
<b>19</b>	CONCLUSION	THE ABOVE-MENTIONED PRODUCT CONFORMS TO BP2015/USP38/FCCVIII/E300	
<b>20</b>	Result	Pass	

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