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**Product :** 242605 MENTHOL CRYSTAL  
**Order :** 5000070217  
**Lot number:** 250821

**Date:** Sep. 26, 2025

## Certificate of Analysis

### 1. Identification:

<b>Product Name:</b>	MENTHOL CRYSTAL		
<b>Synonyms:</b>	<i>laevo</i> -Menthol; p-Menthan-3-ol; 2-Isopropyl-5-methylcyclohexanol		
<b>Molecular Formula:</b>	C <sub>10</sub> H <sub>20</sub> O	<b>Molecular Weight:</b>	156.27
<b>CAS No.:</b>	2216-51-5	<b>EINECS No.</b>	218-690-9
<b>Production Date:</b>	Sep. 26, 2025	<b>Expired Date:</b>	Sep. 25, 2028
<b>Batch No.:</b>	250821	<b>Quantity for Sampling:</b>	6,750 KGS

### 2. Analytical Data:

CHARACTER	SPECIFICATION	TEST RESULT
<b>Appearance:</b>	Colorless prismatic needle crystals.	Complies
<b>Odor:</b>	Menthol arvensis characteristic odor.	Complies
<b>Melting Point:</b>	41.5 ~ 44 °C	42.1– 43.6°C
<b>Non-volatile matter:</b>	0.05 % max.	0.01%
<b>Solubility (25°C):</b>	1g soluble in 5ml of 90%(V/V) ethanol clearly.	Complies
<b>Optical Rotation(25 °C):</b>	-50° ~ -49°	- 49.70 °
<b>Arsenic Content:</b>	3 mg/kg max.	Complies
<b>Heavy metal (as Pb):</b>	10 mg/kg max.	Complies
<b>Assay:</b>	99.0 % min.	99.60 %
<b>Aerobic Bacterial Count:</b>	1000 cfu/g max.	< 10 cfu/g
<b>Molds and Yeast Count:</b>	100 cfu/g max.	< 10 cfu/g
<b>CONCLUSION:</b>	<b>QUALIFIED</b>	

### 3. Miscellaneous:

<b>Stability:</b>	Normally stable.
<b>Storage:</b>	Store in cool dry area in closed containers. Do not expose to temperatures over 35°C.
<b>Packing:</b>	In fibre drums of 25kg net each.