



SUPERSEDES: 08

ISSUE: 09

NEXT REVISION: 10

01/04/2021

01/04/2023

31/03/2025

MENTHOL CRYSTALS BP

CAS No. [2216-51-5]

Quality	BP 2022, USP 43, EP 10.0
Use	Food, Feed, Pharma
Shelf life	5 Years From Date of Mfg.
Chemical Name	(1R, 2S, 5R)-5-Methyl-2-(1-methylethyl)-cyclohexanol
Formula	C ₁₀ H ₂₀ O
Molecular weight	156.27
CAS-No.	2216-51-5
Packaging and storage	Preserve in tight containers, preferably at controlled room temperature

PARAMETERS	METHOD	SPECIFICATION
Description	BP, EP	Prismatic or acicular, colorless, shiny crystals
Identification	BP, USP, EP	Meets the requirement
Appearance of solution	BP, EP	This solution is clear and colorless
Acidity or alkalinity	BP, EP	Meets the requirement
Solubility	BP	Complies
Melting point	USP	41 to 44°C
	BP, EP	About 43°C
Specific rotation	USP	-45 to -51 ⁰
	BP, EP	-48 to -51 ⁰
Non-volatile residue	USP	NMT 0.05%
Heavy metals (Pb)	Out Sourced	2.5mg/kg
Heavy metals (Cu)	Out Sourced	30mg/kg
Heavy metals (Sn)	Out Sourced	250.0mg/kg
Heavy metals (Cd)	Out Sourced	1.5mg/kg
Heavy metals (Hg)	Out Sourced	1.0mg/kg
Heavy metals (As)	Out Sourced	1.1mg/kg
Heavy metals (Cr)	Out Sourced	-

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PREPARED BY	CHECKED BY	APPROVED BY
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Heavy metals (Ni)	Out Sourced	-
Methyl mercury (Calculated as the element)	Out Sourced	0.25mg/kg
Chromatographic purity	USP	Meets the requirements
Residue on evaporation	BP, EP	NMT 0.05%
Related substances(Total Impurities)	USP	NMT 2.0%
	EP	NMT 1.0%

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