

Certificate of Analysis

Product Name: Menthol Crystals, USP
INCI Name: Menthol
CAS Number: 2216-51-5, 89-78-1
Lot Number: Not available (data may vary slightly with different lots or batches)
Expiration Date: 36 months from production date

Test	Specification Range	Result
Appearance	Colorless, transparent, hexagonal or needle-like crystals	Conforms
Odor	Characteristic	Conforms
Assay	98.0 - 102.0%	99.01%
Solubility (25°C)	Melting 1g test sample into 5ml 90% alcohol	Conforms
Melting Point	41.5 - 44° C	41.6° C
Residue on Evaporation	≤0.5%	0.011%
Specific Rotation @ 25°	-50 ~ 49°C	-49.85°C
Arsenic Content	≤3 mg/kg	<3 mg/kg
Heavy Metal, as Pb	≤10 mg/kg	<10 mg/kg
Gas Chromatography	>99%	99.54%
Related Substances	≤ 0.1%	0.043%
Boiling Point	Absent	Absent

Complies with current USP Standards.

The above data was obtained using the test indicated and is subject to the deviation inherent in the test method. Results may vary under other test methods or conditions.

This report is not to be signed. All data are as per our supplier.

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