

**Certificate of Analysis**  
**(Representative Sample Certificate)**

**Product Name:** Menthol Crystals  
**INCI Name:** Menthol  
**CAS Number:** 89-78-1  
**Lot Number:** Not available (data may vary slightly with different lots or batches)  
**Expiration Date:** 60 months from production date

Test	Specification Range	Result
Appearance (25 °C)	Colorless crystals	Colorless crystals
Odor	Strong mint like	Conforms
Flavor	Minty, cooling	Conforms
Assay	97.0 min	99.78
Identification Menthol with camphor phenol or chlorohydrate liquefies.	Complies with USP	Complies
Melting Point °C	41.0-44.0	43.0
Specific Rotation 25 °C	-45.0 to -51.0	-49.5 to -50.5
Non-volatile matter	0.05 max	0.025
Organic volatile impurities	Meets current USP/NF	Conforms
Pharmacopoeias	Complies with USP	Conforms

The above data were 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.

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