



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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