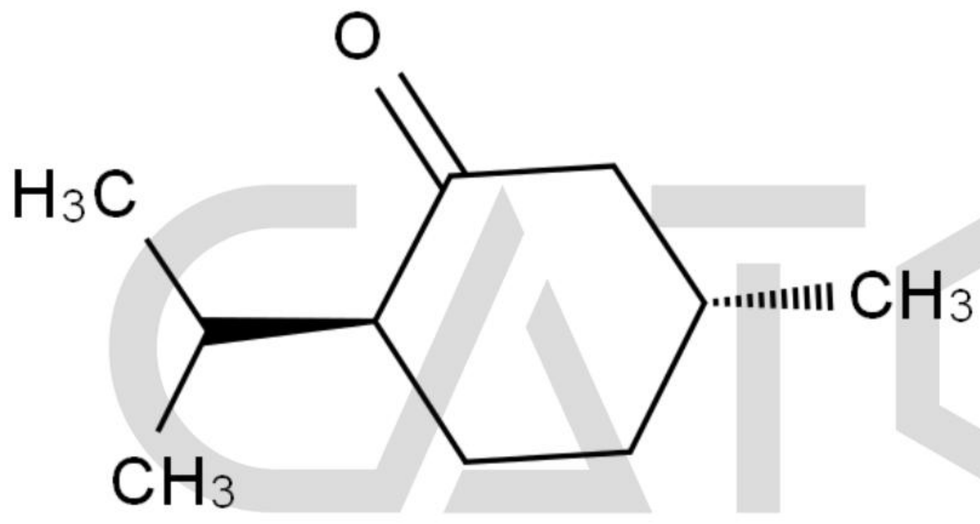
# Certificate of Analysis

## Reference Material & Standard

| | | | |
|---|---|---|---|
| **Product Name:** | Menthone, mixture of isomers | **Catalogue Number:** | CCPE901402 |
| **Synonyms:** | N/A | **Lot Number:** | 1113-RE-0013 |
| **CAS Number:** | 10458-14-7 | **Expiry Date:** | Aug 13, 2030 |
| **Molecular Formula:** | $C_{10}H_{18}O$ | **Storage:** | Room Temp Protected from light and Sealed |
| **Molecular Weight:** | 154.25 | **Shipping Condition:** | Shipping at Room Temperature |
| | | **Warning:** |  |

**Chemical Structure:**




| Test Items | Method | Results |
|---|---|---|
| **Appearance** | Visual inspection | Colourless Liquid |
| **Identification** | GCMS&HNMR | Confirmed |
| **Purity** | GC | 99.8% |
| **Assay** | qNMR | 96.3% |
| **Uncertainty** | | ±0.8% |

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## Comment:

*The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.*

**Signature:**

Prepared by: Koji Date: Aug 14, 2026

Reviewed by: Lisa Date: Aug 14, 2026

Approved by General Manager: David Date: Aug 14, 2026

CATO Research Chemicals Inc.