



CERTIFICATE OF ANALYSIS

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1. Identification

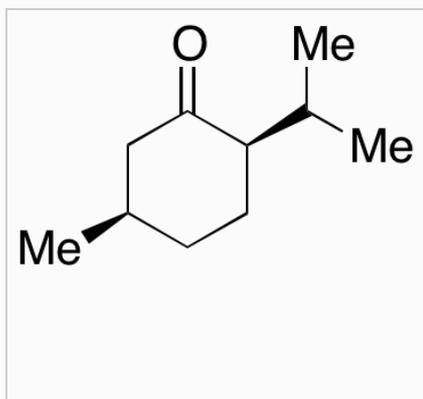
Catalogue Number: M199545

CAS Number: 1196-31-2

Product: (+)-Isomenthone

Synonym: (2R-cis)-5-Methyl-2-(1-methylethyl)-cyclohexanone; (1R,4R)-(+)-p-Menthan-3-one; (+)-Isomenthone; (1R,4R)-Isomenthone; (1R,4R)-p-Menth-3-one; d-Isomenthone; d-Menthone; (2R,5R)-5-Methyl-2-(1-methylethyl)-cyclohexanone

Structure:



Molecular Formula:

C₁₀H₁₈O

Molecular weight:

154.25

Source of Product:

Synthetic

Solubility:

Chloroform (Soluble), Ethanol (Slightly), Methanol (Sparingly)

Lot Number: 7-SKR-49-1

Purity: 98%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Colourless Oil	Clear Colourless Oil
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 78.63, %H: 11.80
MS	Conforms to Structure	Conforms
C NMR	Conforms to Structure	Conforms
Specific Rotation	Report Result	+104.8° (c = 1.1, Chloroform)
GC Purity	Report Result	99.13%

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By

Sarbjot Kaur



Reviewed By

Toni Rantanen



**C of A Approved
By**

Chanell Chu



Test Date

1/25/2023

Retest Date

1/23/2027