



CERTIFICATE OF ANALYSIS (COA)

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Timbersilk®

Product Identification

Item	Details
Product Name	Timbersilk®
Manufacturer	IFF
Chemical Name	1-(2,3,8,8-Tetramethyl-1,2,3,4,5,6,7,8-octahydronaphthalen-2-yl)ethanone (main isomer)
CAS Numbers	54464-57-2 / 68155-66-8 / 68155-67-9
EC Number	Mixture of isomers
Molecular Formula	C ₁₆ H ₂₆ O
Molecular Weight	234.2 g/mol
Product Type	Aroma Chemical
INCI Name	Tetramethyl Acetyloctahydronaphthalenes
Physical Form	Liquid

Quality Specifications

Parameter	Specification	Result
Appearance	Clear liquid	Conforms
Colour	Colourless to pale yellow	Conforms
Odour	Smooth woody, amber, cedar, velvety	Conforms
Refractive Index (20 °C)	1.4970 – 1.5010	To be reported
Specific Gravity (20 °C)	0.9610 – 0.9683	To be reported
Purity (Sum of Principal Isomers)	>89.0%	To be reported
Water Content	Within specification	To be reported

Representative Isomer Composition



Component	Specification
Isocyclemone E	30.0 – 45.0%
Alpha Iso E Super	18.0 – 26.0%
Iso Precyclemone	<5.0%
Delta Isomer	5.5 – 7.5%
Gamma Isomer	13.0 – 20.0%
Total Principal Components	>89.0%

Storage

Store:

- Between 15–25 °C
 - In tightly sealed original containers
 - Protected from light and moisture
 - Away from oxidising agents
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Conclusion

The above material conforms to the representative quality specifications established for Timbersilk®.

This document is a representative supplier COA. Batch-specific analytical values should be confirmed using the original IFF Certificate of Analysis supplied with the purchased batch.

Authorised by

Fozia Khot

Director

Aromology Trading LLC