



CERTIFICATE OF ANALYSIS (COA)

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Linalool

Product Identification

Item	Details
Product Name	Linalool
Manufacturer	Givaudan SA
Chemical Name	Linalool
IUPAC Name	3,7-Dimethylocta-1,6-dien-3-ol
CAS Number	78-70-6
EC Number	201-134-4
FEMA Number	2635
JECFA Number	356
Molecular Formula	C ₁₀ H ₁₈ O
Molecular Weight	154.25 g/mol
Product Type	Aroma Chemical
Physical Form	Colourless Liquid
Odour Profile	Floral, Lavender, Citrus, Bergamot

Analytical Specifications

Test	Specification	Result
Appearance	Clear, colourless liquid	Conforms
Odour	Characteristic floral, lavender	Conforms
Identification (IR/GC)	Conforms to reference standard	Conforms
Assay (GC)	≥95.0%	To be reported
Relative Density (20 °C)	0.858 – 0.867	To be reported
Refractive Index (20 °C)	1.461 – 1.465	To be reported
Boiling Point	Approximately 198 °C	Conforms



Esters (as Linalyl Acetate)	≤0.5%	To be reported
Acid Value	Within specification	To be reported
Water Content	Within specification	To be reported

The JECFA specification for Linalool lists a minimum assay of 95.0%, refractive index 1.461–1.465, specific gravity 0.858–0.867, boiling point 198 °C, and esters (as linalyl acetate) not exceeding 0.5%.

Storage

Store:

- Between 15–25 °C
- In tightly closed original containers
- Protected from sunlight
- Away from heat and oxidising agents

Recommended retest period: 24 months under proper storage conditions.

Conclusion

The material conforms to the representative quality specifications established for Linalool (CAS 78-70-6).

This document is a representative supplier Certificate of Analysis. Batch-specific analytical values should be verified using the original Givaudan Certificate of Analysis.

Authorised by

Fozia Khot

Director

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