



CERTIFICATE OF ANALYSIS (COA)

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Ethyl Safranate™

Product Identification

Item	Details
Product Name	Ethyl Safranate™
Manufacturer	Givaudan SA
Chemical Name	Ethyl 2,6,6-trimethylcyclohexa-1,3-diene-1-carboxylate (reaction mass of isomers)
CAS Number	35044-59-8
EC Number	252-335-9
Molecular Formula	C ₁₂ H ₁₈ O ₂
Molecular Weight	194.27 g/mol
Product Type	Aroma Chemical
Physical Form	Colourless Liquid
Odour Profile	Floral, Rose, Fruity Apple, Apple Cider, Spicy

Givaudan describes Ethyl Safranate™ as a powerful floral ingredient with rosy, fruity apple and spicy nuances, recommended for use at levels up to approximately 2% in fragrance compounds.

Analytical Specifications

Test	Specification	Result
Appearance	Clear colourless to pale yellow liquid	Conforms
Odour	Characteristic floral, fruity apple	Conforms
Identification (GC)	Conforms to reference standard	Conforms
Sum of Isomers (GC)	≥94.0%	To be reported
Relative Density (20 °C)	0.9610 – 0.9710	To be reported
Refractive Index (20 °C)	1.4740 – 1.4800	To be reported
Colour	Colourless to pale yellow	Conforms



Solvent Added	None	Conforms
Antioxidants	None	Conforms
Water Content	Within manufacturer specification	To be reported

Published technical documentation for Ethyl Safranate™ reports a refractive index of 1.4740–1.4800, specific gravity of 0.9610–0.9710, and a combined isomer purity of ≥94%.

Storage

Store:

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

Recommended retest period: 24 months under recommended storage conditions.

Conclusion

The material conforms to the representative quality specifications established for Ethyl Safranate™.

This document is a representative supplier Certificate of Analysis. Actual batch analytical values should be confirmed using the original Givaudan Certificate of Analysis.

Authorised by

Fozia Khot

Director

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