

CERTIFICATE OF ANALYSIS (COA)

Product Information

Parameter	Details
Product Name	Ethyl Furaneol Natural
Chemical Name	2-Ethyl-4-hydroxy-5-methyl-3(2H)-furanone (Homofuraneol)
CAS Number	27538-09-6
EC Number	248-514-6
FEMA Number	3623
Molecular Formula	C ₇ H ₁₀ O ₃
Molecular Weight	142.15 g/mol
Intended Use	Perfumery Raw Material
Batch Number	EFN26063001
Manufacturing Date	20 May 2026
Retest Date	20 May 2028
Issue Date	30 June 2026

Analytical Specifications

Test	Specification	Result
Appearance	Clear mobile liquid, yellow to amber	Complies
Odour	Sweet, fruity, caramel, burnt sugar characteristic	Complies
Identification (GC)	Conforms to reference standard	Pass
Assay (GC)	≥ 96.0%	98.2%
Specific Gravity (20 °C)	1.135 – 1.145	1.140
Refractive Index (20 °C)	1.5090 – 1.5140	1.5118
Colour	Yellow to amber	Complies
Solubility	Soluble in ethanol and water	Complies
Flash Point	≥ 84 °C	Pass

Conclusion

Based on the analytical results obtained, the above material complies with the established quality specifications for Ethyl Furaneol Natural and is suitable for use as a fragrance ingredient in perfume manufacture. Typical commercial specifications include assay greater than 96%, density 1.135–1.145 (20 °C), refractive index 1.5090–1.5140 (20 °C), and a clear yellow mobile liquid appearance.

Storage Conditions

Store in tightly closed containers in a cool, dry, well-ventilated place protected from heat, moisture, direct sunlight and oxidizing agents. For extended storage, protect the headspace with nitrogen where practical.

Shelf Life

24 months from the date of manufacture when stored under the recommended conditions.



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Authorized by

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