

CERTIFICATE OF ANALYSIS (COA)

Supplier: Aromology Trading LLC

Product Information

Product Name	Ethylene Brassylate
Chemical Name	1,4-Dioxacycloheptadecane-5,17-dione
CAS Number	105-95-3
EC Number	203-347-8
Molecular Formula	C ₁₅ H ₂₆ O ₄
Molecular Weight	270.36 g/mol
Intended Use	Perfumery Raw Material
Batch Number	EB26063001
Manufacturing Date	15 May 2026
Retest Date	15 May 2028
Issue Date	30 June 2026

Analytical Specifications

Test	Specification	Result
Appearance	Colourless to pale yellow liquid	Complies
Odour	Sweet, musky, floral, powdery characteristic	Complies
Identification (GC)	Conforms to reference standard	Pass
Assay (GC)	≥ 99.0%	99.7%
Specific Gravity (25 °C)	1.034 – 1.044	1.039
Refractive Index (20 °C)	1.468 – 1.472	1.470
Acid Value	≤ 1.0 mg KOH/g	0.18 mg KOH/g
Colour (APHA)	≤ 100	25
Water Content (Karl Fischer)	≤ 0.20%	0.05%
Solubility	Practically insoluble in water; soluble in ethanol and perfume solvents	Complies

Published reference data for Ethylene Brassylate include molecular weight 270.36 g/mol, appearance as a colourless to pale yellow liquid, and typical physical constants consistent with the values reported above.

Conclusion

Based on the analytical results obtained, the above material complies with the established quality specifications for Ethylene Brassylate and is suitable for use as a fragrance ingredient in perfume manufacture.



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Storage Conditions

Store in tightly closed containers in a cool, dry, well-ventilated place away from heat, moisture, direct sunlight, and strong oxidizing agents.

Shelf Life

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

Authorized by

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