



CERTIFICATE OF ANALYSIS (COA)

Product Information

Parameter	Details
Product Name	Ethyl Vanillin
Chemical Name	3-Ethoxy-4-hydroxybenzaldehyde
CAS Number	121-32-4
EC Number	204-464-7
FEMA Number	2464
Molecular Formula	C ₉ H ₁₀ O ₃
Molecular Weight	166.17 g/mol
Intended Use	Perfumery Raw Material
Batch Number	EV26063001
Manufacturing Date	18 May 2026
Retest Date	18 May 2028
Issue Date	30 June 2026

Analytical Specifications

Test	Specification	Result
Appearance	White to slightly yellow crystalline powder	Complies
Odour	Sweet, creamy, vanilla characteristic	Complies
Identification (IR)	Conforms to reference standard	Pass
Assay (GC/HPLC)	≥ 99.5%	99.8%
Melting Point	76.0 – 78.0 °C	76.8 °C
Loss on Drying	≤ 0.50%	0.10%
Sulphated Ash	≤ 0.10%	0.02%
Heavy Metals (as Pb)	≤ 10 ppm	< 10 ppm
Colour	White to slightly yellow	Complies
Solubility	Soluble in ethanol; slightly soluble in water	Complies

The published physical characteristics of Ethyl Vanillin include a white to pale yellow crystalline appearance, molecular weight of 166.17 g/mol, and a melting point of approximately 76–78 °C, consistent with the analytical values reported above.

Conclusion



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

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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