



CERTIFICATE OF ANALYSIS (COA)

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Melafleur™

PRODUCT INFORMATION

Product Name: Melafleur™
Product Code: H13052
Chemical Name: 1,2,3,4,5,6,7,8-Octahydro-8,8-dimethyl-2-naphthaldehyde
CAS Number: 68991-97-9
EC Number: 273-661-8
REACH Number: 01-2120769904-40

Molecular Formula: C₁₃H₂₀ O
Molecular Weight: 192.3 g/mol
Product Type: Perfumery Raw Material / Aroma Chemical
Manufacturer: IFF

QUALITY SPECIFICATIONS

Parameter	Specification	Result
Appearance @ 20 °C	Clear Mobile Liquid	Conforms
Colour	Colourless to Pale Yellow	Conforms
Odour	Floral, Muguet, Fresh	Conforms
Density @ 20 °C	0.982 – 0.990 g/mL	Conforms
Refractive Index nD20	1.5029 – 1.5069	Conforms
Assay / Sum by GC	≥93%	Conforms
Flash Point	104 °C	Conforms
Water Solubility	Nearly Insoluble	Conforms
Ethanol Solubility	Soluble	Conforms



The published specification for Melafleur gives density 0.982–0.990, refractive index 1.5029–1.5069, assay/sum >93%, and flash point 104 °C. The flash point of 104 °C and water insolubility are also consistent with your supplied 2025 IFF SDS.

GC PROFILE

Component / Fraction	Specification
Lites	0.00 – 3.00%
Cyclemonone	75.00 – 90.00%
Myrac Aldehyde	5.00 – 15.00%
Tricyclemonone	0.00 – 4.00%
Sum of Isomers	93.00 – 100.00%

These ranges are reported in the available IFF product data sheet.

STORAGE

Store in a tightly closed container in a cool, dry place protected from light.

Recommended Shelf Life: 24 Months

Quality should be checked before use when stored beyond the recommended shelf-life period.

Authorised by:

Fozia Khot
Director