



CERTIFICATE OF ANALYSIS (COA)

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PRODUCT INFORMATION

Item	Details
Product Name	Magnolia Flower Essential Oil
Botanical Name	<i>Magnolia × alba</i> (DC.) Figlar
Synonym	<i>Michelia alba</i> DC.
INCI Name	Magnolia Alba Flower Oil
Alternative CAS Number	8006-76-6
EC Number	296-299-2
FEMA Number	3950
Plant Part	Flowers
Extraction Method	Steam Distillation
Origin	China
Batch Number	Representative Specification
Issue Date	21 July 2026
Shelf Life	24 Months

PHYSICAL & ORGANOLEPTIC ANALYSIS

Parameter	Specification	Representative Result
Appearance	Clear mobile liquid	Complies
Colour	Pale yellow to yellow-orange	Complies
Odour	Rich floral, creamy, fruity, green	Characteristic
Relative Density (25 °C)	0.885–0.895	0.890
Refractive Index (20 °C)	1.470–1.480	1.475
Flash Point	≥65 °C	66 °C
Solubility	Insoluble in water; soluble in alcohol	Complies



REPRESENTATIVE GC-MS PROFILE

Constituent	Representative Content (%)
Linalool	50.0–68.0
β-Caryophyllene	5.0–10.0
d-Limonene	5.0–10.0
β-Ocimene	1.0–5.0
α-Humulene	1.0–5.0
Methyl Eugenol	0.5–3.4
α-Pinene	≤1.0
Geraniol	≤0.4
Benzaldehyde	≤0.1
Estragole	≤0.2
Safrole	≤0.1

Representative analytical data are consistent with published Magnolia Flower Oil specifications and supplier documentation.

QUALITY PARAMETERS

Test	Result
Identification (GC-MS)	Conforms
Purity	100% Natural Essential Oil
Added Solvents	None Detected
Adulteration	None Detected
Foreign Matter	None Detected

CONCLUSION

Representative Result: COMPLIES

This Certificate of Analysis represents typical quality specifications. Natural variation occurs due to origin, harvest season and distillation conditions. The original producer's batch-specific COA shall take precedence.

Authorised by:

Fozia Khot
Director