



CERTIFICATE OF ANALYSIS (COA)

Supplier: Aromology
Product Name: Nutmeg Essential Oil
Botanical Name: *Myristica fragrans* Houtt.
INCI Name: *Myristica Fragrans* (Nutmeg) Kernel Oil
CAS Number: 84082-68-8
EC Number: 282-013-3
FEMA Number: 2793
Product Type: Essential Oil (Steam Distilled)
Country of Origin: Indonesia

1. Product Information

Parameter	Details
Product Name	Nutmeg Essential Oil
Botanical Name	<i>Myristica fragrans</i> Houtt.
INCI Name	<i>Myristica Fragrans</i> (Nutmeg) Kernel Oil
CAS Number	84082-68-8
EC Number	282-013-3
FEMA Number	2793
Product Type	Essential Oil (Steam Distilled)
Intended Use	Perfumery, Cosmetics, Aromatics
Supplier	Aromology

2. Physical & Organoleptic Specifications

Test	Specification	Result
Appearance	Clear mobile liquid	Conforms
Colour	Colourless to pale yellow	Conforms
Odour	Warm, spicy, sweet, woody, characteristic nutmeg	Conforms
Solubility	Insoluble in water; soluble in ethanol and perfumery solvents	Conforms

3. Typical Analytical Characteristics

Parameter	Typical Range	Result
Relative Density @20°C	0.875 – 0.905	Conforms
Refractive Index @20°C	1.4700 – 1.4900	Conforms
Optical Rotation	+8° to +20°	Conforms
Flash Point	68–75°C	Conforms



Parameter	Typical Range	Result
Safrole Content	≤0.30%	Conforms

4. Typical Composition

Constituent	Typical Range (%)
Sabinene	20.0–35.0
α-Pinene	10.0–18.0
β-Pinene	8.0–15.0
Limonene	3.0–8.0
Terpinen-4-ol	2.0–8.0
Myristicin	2.0–8.0
α-Terpineol	1.0–5.0
Safrole	≤0.30

Natural variation may occur depending on harvest season, origin and distillation conditions.

5. Quality Assessment

Quality Parameter	Result
Identity Verified	PASS
Organoleptic Evaluation	PASS
Physical Properties	PASS
Natural Origin Verified	PASS
Suitable for Perfumery Use	PASS

6. Storage Conditions

Parameter	Recommendation
Storage Temperature	Store below 25 °C
Light Exposure	Protect from direct sunlight
Container	Keep tightly sealed in the original container
Atmosphere	Protect from air and moisture
Shelf Life	24 months under recommended storage conditions

7. Statement of Conformity



Aromology certifies that this batch of Nutmeg Essential Oil conforms to internal quality specifications for essential oils and has been evaluated for identity, physical characteristics and organoleptic quality.

The oil is obtained by steam distillation of the dried kernels of *Myristica fragrans* and is suitable for professional use in perfumery, cosmetic and personal care formulations.

8. Authorisation

Approved By	Department
Fozia Khot	Director
Aromology Trading LLC Dubai, UAE	

9. Supplier Details

AROMOLOGY

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Document Information

Parameter	Details
Document	Certificate of Analysis (COA)
Status	APPROVED
Date of Manufacture	23 August 2025
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