



AROMOLOGY

CERTIFICATE OF ANALYSIS (COA)

Supplier: Aromology

Product Name: Zanthoxylum Organic Essential Oil

Botanical Name: *Zanthoxylum armatum* DC.

Product Type: Essential Oil

Plant Part: Fruits (Peppercorns)

Country of Origin: Nepal

1. Product Information

Parameter	Details
Product Name	Zanthoxylum Organic Essential Oil
Botanical Name	<i>Zanthoxylum armatum</i> DC.
Product Type	Essential Oil
Plant Part	Fruits (Peppercorns)
Country of Origin	Nepal
Extraction Method	Steam Distillation
Cultivation	Certified Organic
Intended Use	Perfumery, Cosmetics, Aromatics
CAS Number	91770-90-0
EC Number	294-104-6
Supplier	Aromology

2. Physical & Organoleptic Specifications

Test	Specification	Result
Appearance	Clear, mobile liquid	Conforms
Colour	Colourless to pale yellow	Conforms
Odour	Fresh, citrusy, peppery, spicy with woody nuances	Conforms
Solubility	Soluble in alcohol and perfumery solvents	Conforms

3. Typical Analytical Characteristics

Parameter	Typical Range	Result
Specific Gravity @20°C	0.860 – 0.895	Conforms
Refractive Index @20°C	1.470 – 1.490	Conforms
Optical Rotation @20°C	Natural variation	Conforms

4. Major Constituents (Typical)



A R O M O L O G Y

Constituent	Typical Range (%)
Limonene	20 – 40
Linalool	10 – 25
β -Phellandrene	8 – 20
Sabinene	5 – 15
Myrcene	2 – 10
Terpinen-4-ol	1 – 8
β -Pinene	1 – 8
α -Pinene	Trace – 5
Germacrene D	Trace – 5

Natural variation may occur between harvests, growing regions, and production batches.

5. Quality Assessment

Quality Parameter	Result
Botanical Identity Verified	PASS
Organoleptic Evaluation	PASS
Appearance	PASS
Authentic Natural Essential Oil	PASS
Organic Material 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 original container
Shelf Life	24 Months under recommended storage conditions

7. Statement of Conformity

Aromology certifies that this batch of Zanthoxylum Organic Essential Oil conforms to internal quality specifications for natural aromatic raw materials and has been evaluated for botanical identity, organoleptic characteristics, and physical quality.

This essential oil is produced exclusively by steam distillation of organically cultivated *Zanthoxylum armatum* fruits and contains no added solvents, diluents, preservatives, or synthetic additives.



AROMOLOGY

8. Authorisation

Approved By Department

Fozia Khot Director

Aromology Trading LLC

Dubai, United Arab Emirates

9. Supplier Details

AROMOLOGY

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Document Information

Item	Details
Document	Certificate of Analysis (COA)
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