



CERTIFICATE OF ANALYSIS (COA)

Supplier: Aromology

Product Name: Orange Oil 5 Fold

Botanical Name: *Citrus sinensis* (L.) Osbeck

INCI Name: *Citrus Aurantium Dulcis* (Orange) Peel Oil

CAS Number: 8028-48-6

EC Number: 232-433-8

FEMA Number: 2825

Product Type: Folded Essential Oil (5 Fold)

Extraction Method: Cold Pressed followed by Fractional Distillation (5 Fold)

Country of Origin: Brazil

1. Product Information

Parameter	Details
Product Name	Orange Oil 5 Fold
Botanical Name	<i>Citrus sinensis</i> (L.) Osbeck
INCI Name	<i>Citrus Aurantium Dulcis</i> (Orange) Peel Oil
CAS Number	8028-48-6
EC Number	232-433-8
FEMA Number	2825
Product Type	Folded Essential Oil (5 Fold)
Extraction Method	Cold Pressed followed by Fractional Distillation
Intended Use	Perfumery, Cosmetics, Aromatics
Supplier	Aromology

2. Physical & Organoleptic Specifications

Test	Specification	Result
Appearance	Clear mobile liquid	Conforms
Colour	Orange to deep orange	Conforms
Odour	Sweet, juicy, rich orange peel, fresh citrus	Conforms
Solubility	Insoluble in water; soluble in ethanol and perfumery solvents	Conforms

3. Typical Analytical Characteristics

Parameter	Typical Range	Result
Relative Density @20 °C	0.845–0.865	Conforms
Refractive Index @20 °C	1.4720–1.4780	Conforms



Parameter	Typical Range	Result
Optical Rotation	+85° to +100°	Conforms
Flash Point	47–55°C	Conforms
Peroxide Value	≤10 meq O ₂ /kg	Conforms

4. Typical Composition

Constituent	Typical Range (%)
d-Limonene	80.0–92.0
Myrcene	1.0–5.0
α-Pinene	0.5–2.0
β-Pinene	0.5–2.0
Linalool	Trace–1.5
Decanal	Trace–1.0
Citral	Trace–0.5
Other Naturally Occurring Constituents	Balance

Natural variation may occur depending on harvest season, geographical origin and folding process.

5. Quality Assessment

Quality Parameter	Result
Identity Verified	PASS
Organoleptic Evaluation	PASS
Physical Characteristics	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 Orange Oil 5 Fold conforms to internal quality specifications for folded citrus essential oils and has been evaluated for identity, physical characteristics and organoleptic quality.

The oil is produced by fractional concentration of cold-pressed sweet orange peel oil, resulting in a higher concentration of oxygenated aroma compounds and enhanced fragrance performance for professional perfumery applications.

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	01 September 2025
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