



CERTIFICATE OF ANALYSIS (COA)

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PRODUCT IDENTIFICATION

Parameter	Details
Product Name	Orange Blossom Absolute
Alternative Names	Orange Flower Absolute; Bitter Orange Blossom Absolute
Botanical Name	<i>Citrus aurantium</i> L. var. <i>amara</i>
Botanical Family	Rutaceae
Plant Part	Fresh flowers
INCI Name	Citrus Aurantium Amara (Bitter Orange) Flower Extract
CAS Number	8030-28-2
Alternative CAS Reference	72968-50-4
Country of Origin	Morocco
Extraction Method	Solvent extraction followed by ethanol washing and solvent removal
Product Type	Natural Complex Substance / Botanical Absolute
Quality	Professional Perfumery Grade
Batch Number	OBA-MA-2607

ORGANOLEPTIC SPECIFICATION

Test	Specification	Representative Result
Appearance	Viscous liquid, pourable paste or soft semi-solid	Conforms
Colour	Deep orange, amber-orange to reddish brown	Conforms
Odour	Rich orange blossom, floral, honeyed, green, citrus and delicately indolic	Conforms
Odour Strength	Strong, diffusive and persistent	Conforms



Texture	Smooth and homogeneous	Conforms
Foreign Matter	Free from visible foreign material	Conforms
Olfactive Identity	Corresponds to approved Orange Blossom Absolute reference	Conforms

PHYSICO-CHEMICAL SPECIFICATION

Test	Specification	Representative Result
Relative Density at 20°C	0.950–1.050	0.992
Refractive Index at 20°C	1.480–1.525	1.504
Acid Value	Maximum 15.0 mg KOH/g	7.1 mg KOH/g
Water Content	Maximum 1.0%	0.38%
Flash Point	Minimum 60°C	78°C
Solubility in Water	Insoluble	Conforms
Solubility in Ethanol	Soluble to partially soluble; slight haze permitted	Conforms
Residual Extraction Solvent	Within commercial specification	Conforms
Chromatographic Identity	Consistent with representative orange blossom profile	Conforms
Added Carrier or Diluent	None intentionally added	Conforms
Added Synthetic Fragrance	None intentionally added	Conforms

REPRESENTATIVE CONSTITUENT PROFILE

Orange Blossom Absolute is a Natural Complex Substance. Its composition varies according to flower variety, climate, harvest time, extraction conditions and production batch.

Representative Constituent	Indicative Commercial Range
Linalool	8.0–25.0%
Methyl Anthranilate	5.0–20.0%
Linalyl Acetate	2.0–12.0%
Benzyl Alcohol	1.0–8.0%
Benzyl Benzoate	1.0–8.0%
Benzyl Salicylate	0.5–6.0%



Farnesol	0.2–3.0%
Limonene	0.1–3.0%
Geraniol	0.1–2.0%
Nerol	0.1–2.0%
Indole	0.1–2.0%
Citronellol	Trace–1.0%
Citral	Trace–0.5%
Eugenol	Trace–0.5%
Isoeugenol	Trace–0.2%
Floral waxes, pigments and non-volatiles	Balance

These figures are representative working ranges and are not measured results for the stated batch.

PURITY AND QUALITY STATUS

Assessment	Status
Botanical Identity	Conforms
Moroccan Origin	Conforms
Natural Floral Extract	Conforms
Added Carrier Oil	None intentionally added
Added Artificial Colour	None intentionally added
Added Preservative	None intentionally added
Added Synthetic Fragrance	None intentionally added
Animal-Derived Ingredients	None
GMO Material	Not intentionally used
BSE/TSE Risk	Not applicable
Professional Perfumery Grade	Yes
Suitable for Internal Consumption	No

MICROBIOLOGICAL GUIDANCE

Significant microbial growth is not normally expected because of the extraction process and low water activity.

Test	Representative Limit
Total Aerobic Microbial Count	Maximum 1,000 CFU/g
Yeast and Mould	Maximum 100 CFU/g



<i>Escherichia coli</i>	Absent
<i>Salmonella</i> spp.	Absent
<i>Staphylococcus aureus</i>	Absent

Microbiological compliance requires batch-specific testing where relevant to the final application.

STORAGE

Store:

- In the original tightly sealed container
- At 5–20 °C
- Protected from sunlight, excessive heat, air and moisture
- Away from strong oxidising agents
- With minimum headspace where practical

The absolute may become thicker at low temperature. Allow the closed container to return gradually to room temperature and mix gently before use.

SHELF LIFE

24 months from the manufacturing date when stored unopened under the recommended conditions.

CONCLUSION

The representative organoleptic and physicochemical results conform to Aromology Trading LLC's commercial working specification for:

Orange Blossom Absolute (Morocco)

This certificate contains representative commercial data because an original manufacturer batch analysis was not supplied. It should not be treated as a manufacturer-issued chromatogram or independent laboratory report.

AUTHORISED BY

Fozia Khot
Director
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