



CERTIFICATE OF ANALYSIS (COA)

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PRODUCT INFORMATION

Item	Details
Product Name	Green Hojari Frankincense Essential Oil
Alternative Names	Green Hojari Oil; Royal Hojari Frankincense Oil; Omani Olibanum Oil
Botanical Name	<i>Boswellia sacra</i> Flueck.
Commercial Botanical Synonym	<i>Boswellia carterii</i> Birdw.
INCI Name	Boswellia Sacra Oil
Primary CAS Number	8016-36-2
EC Number	289-620-2
FEMA Number	2816
Plant Material	Premium Green Hojari oleo-gum-resin
Extraction Method	Steam distillation / hydrodistillation
Country of Origin	Sultanate of Oman
Product Type	Natural essential oil / Natural Complex Substance
Issue Date	17 July 2026
Recommended Retest Period	24 months from production date

ORGANOLEPTIC AND PHYSICAL SPECIFICATIONS

Parameter	Specification	Representative Result	Status
Appearance	Clear to slightly hazy mobile liquid	Clear mobile liquid	Pass
Colour	Colourless to pale yellow or pale greenish-yellow	Pale greenish-yellow	Pass
Odour	Fresh, resinous, balsamic, mineral, citrus-terpenic and pine-like	Characteristic	Pass



Relative Density at 20 °C	0.850–0.890	0.864	Pass
Refractive Index at 20 °C	1.4500–1.4800	1.4638	Pass
Optical Rotation at 20 °C	Batch and chemotype dependent	Conforms to reference sample	Pass
Flash Point	Approximately 42–55 °C	46 °C	Pass
Solubility in Water	Insoluble	Complies	Pass
Solubility in Alcohol	Soluble or dispersible	Complies	Pass
Acid Value	Maximum 5.0 mg KOH/g	1.1 mg KOH/g	Pass
Peroxide Value	Maximum 20 meq O ₂ /kg	4.6 meq O ₂ /kg	Pass
Residual Water	Maximum 1.0%	0.2%	Pass
Added Carrier Oil	Not permitted unless declared	Not detected	Pass
Added Synthetic Fragrance	Not permitted	Not detected	Pass
Foreign Matter	Free from visible contamination	None observed	Pass

REPRESENTATIVE GC–MS PROFILE

Constituent	Representative Specification	Representative Result
Alpha-Pinene	25.0–75.0%	55.80%
Limonene and Beta-Phellandrene	2.0–18.0% combined	7.40%
Sabinene	0.5–8.0%	3.10%
Beta-Pinene	0.5–8.0%	2.50%
Camphene	0.2–5.0%	1.90%
Alpha-Thujene	0.2–8.0%	1.40%
Myrcene	0.2–6.0%	1.20%
p-Cymene	Trace–5.0%	0.90%
Terpinen-4-ol	Trace–3.0%	0.60%
Verbenone	Trace–3.0%	0.40%
Beta-Caryophyllene	Trace–3.0%	0.30%
Other Naturally Occurring Terpenes	Balance	Balance

COMPOSITIONAL QUALIFICATION

The composition of Green Hojari Frankincense Essential Oil may vary materially according to:

- Resin grade and colour.
- Geographic growing area within Oman.
- Harvest season.



- Tree age and condition.
- Resin maturity and storage.
- Distillation temperature.
- Distillation duration.
- Distillation fraction collected.
- Production batch.

The representative ranges above are not substitutes for batch-specific GC–MS analysis.

BOSWELLIC ACID QUALIFICATION

Boswellic acids are predominantly non-volatile resin constituents.

Steam-distilled frankincense essential oil is not normally a significant source of boswellic acids. Their presence or therapeutic level must not be claimed without suitable batch-specific analytical evidence.

PURITY DECLARATION

The material is declared to be:

- Derived from premium Green Hojari *Boswellia sacra* resin.
- Produced by steam distillation or hydrodistillation.
- Free from intentionally added synthetic fragrance materials.
- Free from intentionally added carrier oils or diluents unless declared.
- Free from visible foreign matter.
- Intended for professional perfumery and cosmetic formulation.
- Not intended for internal consumption as supplied.

STORAGE

Store:

- In the original tightly sealed container.
- In a cool, dry and well-ventilated location.
- Protected from heat and direct sunlight.
- Away from ignition sources and strong oxidising agents.
- With minimal container headspace to limit oxidation.
- Out of reach of children.

CONCLUSION

THE REPRESENTATIVE MATERIAL COMPLIES WITH THE ABOVE SPECIFICATIONS



The analytical results presented are representative technical values. They must not be represented as actual batch results unless supported by an applicable laboratory report or producer-issued batch COA.

Authorised by:

Fozia Khot

Director