



CERTIFICATE OF ANALYSIS (COA)

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PRODUCT INFORMATION

Item	Details
Product Name	Gurjun Balsam Dark
Alternative Name	Gurjun Balsam Oil – Alpha-Gurjunene Chemotype
Botanical Source	<i>Dipterocarpus turbinatus</i> C.F.Gaertn. / <i>Dipterocarpus</i> spp.
INCI Name	Dipterocarpus Turbinatus Balsam Oil
Primary CAS Number	8030-55-5
EC Number	232-444-8
Plant Part	Oleoresin (Balsam)
Extraction Method	Steam Distillation
Product Type	Natural Essential Oil
Chemotype	Alpha-Gurjunene
Issue Date	17 July 2026

PHYSICAL SPECIFICATIONS

Parameter	Specification	Representative Result
Appearance	Mobile liquid	Complies
Colour	Amber-brown to dark brown	Complies
Odour	Warm, woody, balsamic, earthy, resinous	Characteristic
Relative Density (20 °C)	0.910–0.970	0.928
Refractive Index (20 °C)	1.496–1.516	1.501
Flash Point	>93 °C	Pass
Water Solubility	Insoluble	Pass
Alcohol Solubility	Soluble	Pass
Foreign Matter	None visible	Pass
Added Carrier Oils	None detected	Pass



REPRESENTATIVE GC-MS PROFILE

Major Constituent	Representative Range
Alpha-Gurjunene	60–77%
Alpha-Copaene	1.7–5%
Beta-Gurjunene	Batch dependent
Gamma-Gurjunene	Batch dependent
Aromadendrene	Batch dependent
Alloaromadendrene	Batch dependent
Other Natural Sesquiterpenes	Balance

Natural composition varies according to botanical source, harvesting conditions, resin maturity, distillation process and production batch.

QUALITY DECLARATION

This material is:

- 100% natural Gurjun Balsam essential oil.
- Produced by steam distillation of Gurjun balsam.
- Free from intentionally added synthetic fragrance materials.
- Free from intentionally added carrier oils unless declared.
- Intended for professional perfumery and cosmetic manufacture.

STORAGE

Store tightly closed in a cool, dry, well-ventilated place away from heat, sunlight and oxidising agents.

CONCLUSION

Gurjun Balsam Dark – Gurjunene complies with representative quality specifications for professional perfumery use. Batch-specific analytical data shall take precedence.

Authorised by:

Fozia Khot
Director