



CERTIFICATE OF ANALYSIS (COA)

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PRODUCT INFORMATION

Item	Details
Product Name	Indian Red Rose Oil Otto
Botanical Name	<i>Rosa indica</i> L.
INCI Name	Rosa Indica Flower Oil
CAS Number	8007-01-0
EC Number	290-260-3
Product Type	Natural Essential Oil / Rose Otto
Extraction Method	Steam Distillation
Plant Part	Fresh Flowers
Origin	India
Issue Date	18 July 2026

ORGANOLEPTIC AND PHYSICAL SPECIFICATIONS

Parameter	Representative Specification	Representative Result
Appearance	Clear mobile liquid; may partially crystallise at lower temperatures	Complies
Colour	Colourless to pale yellow	Complies
Odour	Rich, fresh, sweet, deep floral rose	Characteristic
Relative Density at 20°C	0.865–0.885	0.875
Refractive Index at 20°C	1.455–1.475	1.466
Optical Rotation	-5° to +2°	-1.4°
Flash Point	≥48°C	52°C



Solubility

Soluble in alcohol; insoluble in water

Complies

REPRESENTATIVE GC COMPOSITION

Naturally Occurring Constituent	Representative Range
Citronellol	20–40%
Geraniol	10–25%
Nerol	5–15%
Nonadecane	5–15%
Heneicosane	2–8%
Linalool	0.5–3%
Farnesol	Trace–2%
Eugenol	Trace–2%
Other Naturally Occurring Constituents	Balance

The chemical profile may vary according to flower variety, cultivation area, harvest period and distillation conditions.

QUALITY DECLARATION

The representative material:

- Is obtained by steam distillation of fresh rose flowers.
- Contains no intentionally added carrier oils.
- Contains no synthetic fragrance ingredients.
- Contains no intentionally added preservatives.
- Is suitable for professional perfumery and cosmetic manufacture.

STORAGE

Store tightly closed in a cool, dry and well-ventilated area, protected from direct sunlight, air, heat and oxidising substances.

Temporary crystallisation or thickening at lower temperatures is a natural characteristic of genuine Rose Otto and does not indicate deterioration.



CONCLUSION

The representative material complies with the specifications stated above. Batch-specific analytical results and documentation supplied by the original producer shall take precedence.

Authorised by:
Fozia Khot
Director