



CERTIFICATE OF ANALYSIS (COA)

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PRODUCT INFORMATION

Parameter	Details
Product Name	Premium Taif Rose Oil
Botanical Name	<i>Rosa damascena</i> Mill. var. <i>trigintipetala</i> Dieck
INCI Name	Rosa Damascena Flower Oil
Plant Part	Fresh Flowers
Extraction Method	Steam Distillation
Product Type	100% Natural Essential Oil
Origin	Taif, Saudi Arabia
CAS Number	8007-01-0
EC Number	290-260-3
FEMA Number	2988
Batch Number	PTRO-260724

Organoleptic Properties

Test	Specification	Result
Appearance	Clear liquid, may crystallise upon cooling	Conforms
Colour	Pale yellow to yellow	Conforms
Odour	Rich, fresh, sweet floral, characteristic Taif rose	Conforms

Physicochemical Analysis

Parameter	Specification	Representative Result
Relative Density (20 °C)	0.850–0.875	0.861
Refractive Index (20 °C)	1.455–1.470	1.463
Optical Rotation	Batch dependent	-3.6 °
Flash Point	>75 °C	82 °C
Solubility in Ethanol	Soluble	Conforms

Representative GC/MS Profile

Constituent	Typical Range (%)
Citronellol	23–28



Constituent	Typical Range (%)
Geraniol	14–20
Nonadecane	11–16
Nerol	6–11
Linalool	~8
Heneicosane	~7
Phenethyl Alcohol	Batch dependent
Eugenol	Trace–2
Farnesol	Trace–2
Methyl Eugenol	Batch dependent

Published GC/MS analyses of authentic Taif Rose Oil consistently identify citronellol, geraniol, nonadecane, nerol, linalool and heneicosane as the principal constituents.

Quality Assessment

- Botanical Identity: Conforms
- Organoleptic Characteristics: Conforms
- Physicochemical Properties: Conforms
- GC/MS Identity: Conforms
- Added Carrier Oils: None
- Added Synthetic Fragrance: None
- GMO Ingredients: Not Intentionally Added
- Professional Perfumery Grade: Conforms

Storage

Store tightly closed between 15–25 °C, protected from light and air. If crystallisation occurs, warm gently to 35–40 °C before use.

Conclusion

This representative batch complies with the quality requirements for professional-grade Premium Taif Rose Oil.

Authorised By

Fozia Khot
Director
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