



CERTIFICATE OF ANALYSIS (COA)

Aromology Trading LLC
G05 Al Ghazal Building
Nadd Al Hamar
Dubai, United Arab Emirates

Website: www.aromology.com
Email: info@aromology.com
Telephone: +971 505197601

Neroli Essential Oil

Product Identification

Parameter	Details
Product Name	Neroli Essential Oil
Botanical Name	<i>Citrus aurantium</i> L. var. <i>amara</i>
INCI Name	Citrus Aurantium Amara (Bitter Orange) Flower Oil
CAS Number	8016-38-4
EC Number	277-143-2
FEMA Number	2771
Extraction Method	Steam Distillation
Plant Part	Fresh Flowers
Product Type	Natural Essential Oil
Batch Number	NEO-260722

Organoleptic Properties

Test	Specification	Representative Result
Appearance	Clear pale yellow to amber liquid	Conforms
Colour	Pale yellow to amber	Conforms
Odour	Sweet, fresh, floral, orange blossom	Conforms
Identity	GC/MS Reference Standard	Conforms

Physico-Chemical Properties

Test	Specification	Representative Result
Relative Density (20 °C)	0.865–0.885	0.873
Refractive Index (20 °C)	1.465–1.475	1.470
Optical Rotation	+1° to +12°	+6.5°
Flash Point	≥65 °C	69 °C



Solubility in Ethanol Soluble Conforms

Representative GC Composition

Constituent	Typical %
Linalool	30.8
Linalyl Acetate	13.6
Limonene	9.2
α -Terpineol	5.0
Nerolidol	4.6
β -Pinene	2.4
α -Pinene	1.5
Geraniol	1.1
Farnesol	0.7

Purity

Assessment	Status
Pure Essential Oil	Conforms
Added Solvents	None
Preservatives	None
Artificial Fragrance	None
Adulteration	None detected

Storage

Store in tightly closed containers between **5–25°C**, protected from light, air and strong oxidising agents.

Conclusion

This material conforms to Aromology Trading LLC's representative specification for Neroli Essential Oil – Orange Flower.

Authorised by

Fozia Khot
Director
Aromology Trading LLC