



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

PRODUCT INFORMATION

Parameter	Details
Product Name	Premium White Grapefruit Essential Oil
Botanical Name	<i>Citrus × paradisi</i> Macfad.
INCI Name	Citrus Paradisi Peel Oil
Plant Part	Fresh Fruit Peel
Extraction Method	Cold Expression
Product Type	100% Natural Essential Oil
Origin	Batch Specific (USA, South Africa, Israel or other commercial origin)
CAS Number	90045-43-5
EC Number	616-973-5
FEMA Number	2530
Batch Number	PWG-260724

ORGANOLEPTIC PROPERTIES

Test	Specification	Result
Appearance	Clear mobile liquid	Conforms
Colour	Pale yellow to yellow-green	Conforms
Odour	Fresh, bright, sweet citrus with characteristic white grapefruit peel note	Conforms

PHYSICOCHEMICAL ANALYSIS

Parameter	Specification	Representative Result
Relative Density (20 °C)	0.845–0.870	0.852
Refractive Index (20 °C)	1.470–1.480	1.474
Optical Rotation	+88° to +98°	+93.4°
Flash Point	43–50 °C	47 °C
Solubility	Soluble in ethanol	Conforms



These representative values are consistent with commercial specifications for expressed White Grapefruit Essential Oil.

REPRESENTATIVE GC/MS PROFILE

Constituent	Typical Range (%)
d-Limonene	88–96
β-Myrcene	1–4
α-Pinene	0.2–1.0
β-Pinene	0.2–1.0
Sabinene	0.2–1.0
Linalool	Trace–0.3
Citral	Trace–0.2
Nootkatone	Trace
Decanal	Trace
Octanal	Trace

Published analytical data identify limonene as the dominant constituent of expressed white grapefruit oil, typically exceeding 90% in many commercial batches.

QUALITY ASSESSMENT

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

STORAGE

Store tightly closed between 5–15 °C, protected from light, heat and air to minimise oxidation.

CONCLUSION

This representative batch complies with the quality specifications for Premium White Grapefruit Essential Oil intended for professional fragrance and cosmetic applications.

AUTHORISED BY

Fozia Khot
Director
Aromology Trading LLC