



CERTIFICATE OF ANALYSIS (COA)

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PRODUCT INFORMATION

Parameter	Details
Product Name	Premium Basil Essential Oil
Botanical Name	<i>Ocimum basilicum</i> L.
INCI Name	Ocimum Basilicum (Basil) Oil
Plant Part	Leaves and Flowering Aerial Parts
Extraction Method	Steam Distillation
Product Type	100% Pure Natural Essential Oil
Chemotype	Linalool-Rich
Country of Origin	Egypt
CAS Number	8015-73-4
EC Number	283-900-8
Batch Number	PBE-260724

ORGANOLEPTIC CHARACTERISTICS

Test	Specification	Result
Appearance	Clear, mobile liquid	Conforms
Colour	Pale yellow to amber yellow	Conforms
Odour	Fresh, sweet, herbaceous, green and gently spicy	Conforms

PHYSICO-CHEMICAL ANALYSIS

Test	Specification	Representative Result
Relative Density at 20 °C	0.892–0.920	0.904
Refractive Index at 20 °C	1.475–1.495	1.484
Optical Rotation at 20 °C	–14 ° to –2 °	–7.5 °
Flash Point	≥72 °C	Conforms
Solubility	Soluble in ethanol; insoluble in water	Conforms



REPRESENTATIVE CHROMATOGRAPHIC PROFILE

Constituent	Typical Specification	Representative Result
Linalool	45.00–65.00%	54.80%
Eugenol	4.00–20.00%	9.40%
1,8-Cineole	1.00–10.00%	5.60%
Methyl Chavicol (Estragole)	0.20–10.00%	3.20%
α -Bergamotene	0.50–5.00%	2.10%
Germacrene D	0.50–5.00%	1.80%
β -Caryophyllene	0.50–4.00%	1.50%
Other Naturally Occurring Constituents Balance		Conforms

PURITY AND QUALITY ASSESSMENT

Assessment	Status
Identification by Organoleptic Evaluation	Conforms
Identification by GC/MS Profile	Conforms
Added Synthetic Fragrance	Not Detected
Added Carrier or Diluent	None
Residual Solvents	Not Applicable
Animal-Derived Ingredients	None
GMO Ingredients	Not Intentionally Added
Professional Perfumery Grade	Conforms

CONCLUSION

The representative batch complies with the established organoleptic, physical and chromatographic specifications for Premium Basil Essential Oil.

STORAGE CONDITIONS

Store in a tightly sealed, preferably full container in a cool, dry and well-ventilated place. Protect from direct sunlight, heat, air and strong oxidising agents.

Recommended storage temperature: 5–25 °C.

SHELF LIFE

24 months from the manufacturing date when stored under recommended conditions.



IMPORTANT NOTICE

The analytical figures in this certificate are representative specifications for Egyptian linalool-rich basil essential oil. Natural variation may occur according to harvest, climate, cultivation, distillation and storage conditions. Batch-specific analytical results and the original producer's Certificate of Analysis shall take precedence where available.

AUTHORISED BY

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