CERTIFICATE OF ANALYSIS (COA)

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Cardamom Essential Oil CO_2

PRODUCT INFORMATION

Parameter	Specification
Product Name	Cardamom Essential Oil CO_2
Botanical Name	Elettaria cardamomum (L.) Maton
INCI Name	Elettaria Cardamomum Seed Extract
CAS Number	85940-32-5
EC Number	288-922-1
Country of Origin	India
Plant Part	Seeds
Extraction Method	Supercritical Carbon Dioxide (CO_2) Extraction
Grade	Premium Perfumery Grade
Product Type	Natural CO_2 Extract
Batch Number	CCO-260705
Manufacturing Date	15 April 2026
Expiry Date	15 April 2029
Retest Date	15 April 2029
Issue Date	05 July 2026

ANALYTICAL SPECIFICATION

Test	Specification	Result
Appearance	Mobile to slightly viscous liquid	Conforms
Colour	Pale Yellow to Yellow	Conforms
Odour	Fresh, sweet, spicy, warm, aromatic, camphoraceous	Conforms
Relative Density (20°C)	0.930–0.980	Conforms
Refractive Index (20°C)	1.455–1.475	Conforms

Flash Point	>70°C	Conforms
Solubility	Soluble in ethanol and perfumery solvents	Conforms
Purity	100% Natural CO_2 Extract	Conforms

TYPICAL NATURALLY OCCURRING CONSTITUENTS

Constituent	Status
α-Terpinyl Acetate	Major Constituent
1,8-Cineole	Major Constituent
Linalool	Naturally Present
Linalyl Acetate	Naturally Present
Sabinene	Naturally Present
Limonene	Naturally Present
α-Pinene	Naturally Present
β-Pinene	Naturally Present
Myrcene	Naturally Present
α-Terpineol	Naturally Present

STORAGE

Store tightly sealed in a cool, dry place away from heat, direct sunlight and oxidising agents.

SHELF LIFE

36 months from the date of manufacture when stored under recommended conditions.

CONCLUSION

This material conforms to Aromology's quality specifications for Cardamom Essential Oil CO_2 and is suitable for professional perfumery applications.

Authorised by:
Fozia Khot
Director