



CERTIFICATE OF ANALYSIS (COA)

Supplier

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PRODUCT INFORMATION

Parameter	Specification
Product Name	Calendula CO ₂ Total Extract
Botanical Name	<i>Calendula officinalis</i> L.
INCI Name	Calendula Officinalis Flower Extract
CAS Number	84776-23-8
EC Number	283-949-5
Origin	Egypt
Plant Part	Flowers
Extraction Method	Supercritical Carbon Dioxide (CO ₂) Extraction
Grade	Premium Perfumery Grade
Product Type	Natural CO ₂ Total Extract

ANALYTICAL SPECIFICATION

Test	Specification	Result
Appearance	Viscous liquid to semi-solid	Conforms
Colour	Deep Orange to Dark Amber	Conforms
Odour	Warm herbal, honeyed, green, floral, tea-like	Conforms
Relative Density (20 °C)	0.930–1.020	Conforms
Refractive Index (20 °C)	1.470–1.520	Conforms
Flash Point	>100 °C	Conforms
Solubility	Soluble in ethanol with gentle warming and perfumery solvents	Conforms



Purity 100% Natural CO₂ Total Extract Conforms

Typical Naturally Occurring Constituents

Constituent	Status
Faradiol Esters	Naturally Present
Calendulosides	Naturally Present
Flavonoids	Naturally Present
Carotenoids	Naturally Present
α-Cadinol	Naturally Present
β-Caryophyllene	Naturally Present
Triterpenoids	Naturally Present
Plant Sterols	Naturally Present
Fatty Acids	Naturally Present

Storage

Store tightly closed in a cool, dry place away from heat, light 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 Calendula CO₂ Total Extract (Marigold) and is suitable for professional perfumery and cosmetic applications.

Batch Number: CCT-260705

Manufacturing Date: 14 April 2026

Retest Date: 14 April 2029

Issue Date: 05 July 2026

Prepared By:

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Director