



CERTIFICATE OF ANALYSIS (COA)

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PRODUCT INFORMATION

Parameter	Specification
Product Name	Dill Seed Essential Oil CO ₂
Alternative Name	Dill Seed CO ₂ Extract
Botanical Name	<i>Anethum sowa</i> Roxb. ex Fleming (Syn. <i>Anethum graveolens</i>)
INCI Name	Anethum Graveolens Seed Extract
CAS Number	8006-75-5
EC Number	289-790-8
Origin	India
Plant Part	Seeds
Extraction Method	Supercritical Carbon Dioxide (CO ₂) Extraction
Grade	Premium Perfumery Grade
Product Type	Natural CO ₂ Extract

ANALYTICAL SPECIFICATION

Test	Specification	Result
Appearance	Clear to slightly viscous liquid	Conforms
Colour	Pale Yellow to Amber	Conforms
Odour	Warm, sweet, spicy, herbaceous, dill seed	Conforms
Relative Density (20 °C)	0.910–0.950	Conforms
Refractive Index (20 °C)	1.485–1.500	Conforms
Flash Point	>75 °C	Conforms
Solubility	Soluble in ethanol and perfumery solvents	Conforms
Purity	100% Natural CO ₂ Extract	Conforms

Typical Naturally Occurring Constituents



Constituent	Status
Carvone	Major Constituent
D-Limonene	Naturally Present
Dillapiol	Naturally Present
α -Phellandrene	Naturally Present
β -Phellandrene	Naturally Present
Dihydrocarvone	Naturally Present
Myristicin	Naturally Present
Terpinene	Naturally Present
p-Cymene	Naturally Present
Dill Ether	Naturally Present

Storage

Store tightly sealed in a cool, dry place away from direct sunlight, excessive heat 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 Dill Seed Essential Oil CO₂ – India and is suitable for professional perfumery, cosmetic and fragrance applications.

Batch Number: DSC-260710

Manufacturing Date: 29 May 2026

Retest Date: 29 May 2029

Issue Date: 10 July 2026

Prepared and Authorised By:

Fozia Khot
Director