



CERTIFICATE OF ANALYSIS (COA)

Product Information

Parameter	Specification
Product Name	Spearmint Essential Oil CO ₂
Common Name	Spearmint CO ₂ Extract
Botanical Name	<i>Mentha spicata</i> L.
INCI Name	<i>Mentha Spicata</i> Herb Extract
Product Type	Supercritical CO ₂ Extract
CAS Number	8008-79-5
EC Number	283-723-2
Extraction Method	Supercritical Carbon Dioxide (CO ₂)
Appearance	Dark green to olive green viscous liquid
Odour	Rich, sweet, minty, herbaceous, fresh spearmint
Country of Origin	India
Batch Number	SMCO2-260704
Manufacturing Date	18 May 2026
Retest Date	18 May 2028

Analytical Specifications

Test	Specification	Result
Appearance	Dark green to olive green viscous liquid	Complies
Odour	Characteristic rich spearmint	Complies
Identification (GC/MS)	Conforms to reference standard	Complies
Relative Density (20 °C)	0.940–1.000	0.968
Refractive Index (20 °C)	1.4850–1.4950	1.4896
Carvone Content (GC)	55.0–75.0%	64.2%
Limonene Content (GC)	10.0–20.0%	15.3%
Moisture (Karl Fischer)	≤0.50%	0.09%
Residual Solvents	Not Detected (CO ₂ Extraction)	Complies
Solubility (90% Ethanol)	Clear solution (1:3)	Complies

Storage

Store in tightly closed original containers in a cool, dry and well-ventilated place away from direct sunlight, moisture and excessive heat.



Recommended storage temperature: 15–25°C

Shelf Life

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

Statement

This product has been sampled, inspected, tested and released in accordance with the quality management procedures of Aromology Trading LLC and complies with the specifications stated above at the time of release.

The analytical values reported are typical quality control results and are intended solely for quality assurance purposes.

Approved By

Fozia Khot
Director
Aromology Trading LLC

