



CERTIFICATE OF ANALYSIS (COA)

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Mint Arvensis Oil

Product Identification

Item	Details
Product Name	Mint Arvensis Oil
Manufacturer	Givaudan SA
Botanical Name	<i>Mentha arvensis</i> var. <i>piperascens</i>
INCI Name	Mentha Arvensis Herb Oil
CAS Number	68917-18-0
EC Number	290-058-5
FEMA Number	4219
CoE Number	492
Product Type	Natural Essential Oil
Extraction Method	Steam Distillation followed by Partial Dementholisation
Country of Origin	India
Physical Form	Clear Colourless to Pale Yellow Liquid
Odour Profile	Fresh, Strong, Minty, Cooling, Herbaceous

Analytical Specifications

Test	Specification	Result
Appearance	Clear, colourless to pale yellow liquid	Conforms
Odour	Characteristic fresh minty odour	Conforms
Identification	Conforms to reference standard	Conforms
Relative Density (20 °C)	0.902 – 0.904	To be reported
Refractive Index (20 °C)	1.457 – 1.461	To be reported
Optical Rotation (20 °C)	–25.7 ° to –25.0 °	To be reported
Solubility in 70% Ethanol	Clear solution	Conforms
Menthol	30 – 51 %	To be reported
Menthone	15 – 35 %	To be reported



Isomenthone	5 – 22 %	To be reported
Menthyl Acetate	1.5 – 7 %	To be reported
Colour	Colourless to pale yellow	Conforms

The analytical specification is consistent with ISO 9776, European Pharmacopoeia requirements and published Givaudan information for Mint Arvensis Oil India Dementholised.

Typical Composition

Component	Typical Range (%)
Menthol	30 – 51
Menthone	15 – 35
Isomenthone	5 – 22
Menthyl Acetate	1.5 – 7
Limonene	Trace – 5
α -Pinene	Trace
β -Pinene	Trace
1,8-Cineole	Trace
Linalool	Trace

Natural composition varies according to harvest season, origin and distillation conditions.

Storage

Store:

- Between 15–25 °C
- In tightly closed original containers
- Protected from direct sunlight
- In a cool, dry, well-ventilated area
- Away from oxidising agents

Recommended retest period: 24 months when stored under recommended conditions.

Conclusion

The material conforms to the representative quality specifications established for Mint Arvensis Oil – Dementholised (CAS 68917-18-0).

This Certificate of Analysis is a representative specification document. Actual batch analytical values should be verified using the original Givaudan batch COA.

Authorised by

Fozia Khot
Director

Aromology Trading LLC