



A R O M O L O G Y

IFRA COMPLIANCE STATEMENT

IFRA Standards – 51st Amendment

Supplier

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PRODUCT INFORMATION

Item	Details
Product Name	Lovage Root Essential Oil
Botanical Name	<i>Levisticum officinale</i> W.D.J. Koch
INCI Name	Levisticum Officinale Root Oil
CAS Number	84837-06-9
EC Number	284-292-7
Plant Part	Roots and rhizomes
Extraction Method	Steam Distillation
Product Type	Natural Complex Substance
Applicable Standard	IFRA Standards – 51 st Amendment

IFRA STATUS

Lovage Root Essential Oil is considered a Natural Complex Substance (NCS).

No standalone maximum-use concentration is assigned in this representative certificate because compliance depends on:

- The batch-specific chemical composition.
 - Naturally occurring constituents subject to IFRA Standards.
 - The concentration of the oil in the fragrance compound.
 - Contributions of the same constituents from other formulation materials.
 - The intended IFRA product category.
 - The safety assessment of the finished product.
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CONSTITUENTS REQUIRING FORMULATION REVIEW

Lovage Root Essential Oil may contain naturally occurring constituents including:



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Constituent or Group

Limonene

α -Pinene

β -Pinene

β -Phellandrene

Terpinyl derivatives

Phthalide derivatives

Naturally occurring
furocoumarins

Compliance Consideration

Oxidation and sensitisation assessment

Naturally occurring terpene; batch-dependent

Naturally occurring terpene; batch-dependent

Major batch-dependent monoterpene

Batch-dependent natural constituents

Characteristic constituents of lovage root oil

Phototoxicity assessment may be required where
present

Lovage root is reported to contain furocoumarin-type constituents capable of causing photosensitivity. The presence and concentration in the distilled oil must be established from the producer's analytical documentation before assigning a safe use concentration.

IFRA CATEGORY LIMITS

IFRA Category

Categories 1–12

Maximum Permitted Level

Not established from representative data

A numerical limit must not be issued without the manufacturer's current IFRA certificate, batch composition and quantitative information on relevant restricted constituents.

CERTIFICATION

Lovage Root Essential Oil may be incorporated into fragrance formulations provided that:

- The complete formulation complies with the IFRA Standards, 51st Amendment.
- Batch-specific analytical data are reviewed.
- Restricted constituent contributions from all sources are calculated.
- Any relevant phototoxic constituents are appropriately assessed.
- The intended IFRA product category is correctly identified.
- The finished product undergoes an appropriate safety assessment.

CONCLUSION

No universal IFRA 51 maximum-use concentration is declared for Lovage Root Essential Oil in this representative certificate. Compliance must be established using the producer's current IFRA documentation, batch-specific composition and the complete finished fragrance formulation.

The original manufacturer's IFRA certificate shall always take precedence.



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Authorised by:
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Director