

EU ALLERGEN DECLARATION CERTIFICATE

In accordance with Regulation (EC) No. 1223/2009 (as amended) and Commission Regulation (EU) 2023/1545

PRODUCT INFORMATION

Product Name: Betel Leaf Essential Oil
Botanical Name: *Piper betle* L.
Common Name: Betel Leaf Oil
INCI Name: *Piper Betle* Leaf Oil
CAS Number: 84775-81-5
EC (EINECS) Number: 283-910-2
Country of Origin: India
Plant Part: Fresh Leaves
Extraction Method: Steam Distillation
Product Type: Natural Essential Oil (Natural Complex Substance)
Issue Date: 02 July 2026

EU FRAGRANCE ALLERGEN DECLARATION

This declaration has been prepared in accordance with Regulation (EC) No. 1223/2009, as amended by Commission Regulation (EU) 2023/1545.

Based on available supplier and published compositional data, the following EU fragrance allergens may be naturally present in Betel Leaf Essential Oil:

EU Fragrance Allergen CAS Number		Typical Content*
Eugenol	97-53-0	20–28%
Isoeugenol	97-54-1	Up to 12%
Geraniol	106-24-1	Up to 3.5%
Limonene	5989-27-5	Variable / batch dependent
Citronellal	106-23-0	Trace / batch dependent

*Betel Leaf Essential Oil shows significant chemotype variation. Published data identify eugenol, isoeugenol, chavicol, chavibetol, safrole, methyl eugenol, estragole and related phenolic constituents as naturally occurring components of the oil.

OTHER NATURALLY OCCURRING CONSTITUENTS OF REGULATORY INTEREST

Constituent	CAS Number	Regulatory Note
Safrole	94-59-7	May occur naturally; requires safety assessment where present
Estragole	140-67-0	May occur naturally; requires safety assessment where



		present
Methyl Eugenol	93-15-2	May occur naturally; requires IFRA/cosmetic safety consideration
Chavicol	501-92-8	Characteristic phenolic constituent
Chavibetol	501-19-9	Characteristic phenolic constituent

These constituents are important for formulation safety assessment, but not all are classified as EU Annex III declarable fragrance allergens.

DECLARATION

Betel Leaf Essential Oil is obtained by steam distillation of the fresh leaves of *Piper betle* L.

The oil naturally contains Eugenol as a principal EU declarable fragrance allergen, with possible naturally occurring Isoeugenol, Geraniol, Limonene, and Citronellal, depending on chemotype, origin, harvest and distillation conditions.

Due to the natural variability of this material, the final allergen declaration for cosmetic products must be determined from the complete fragrance formulation and, where required, supported by batch-specific GC/MS allergen analysis.

REGULATORY NOTE

This certificate is issued to support compliance with:

- Regulation (EC) No. 1223/2009 on Cosmetic Products.
- Commission Regulation (EU) 2023/1545 relating to fragrance allergen labelling.

This declaration applies solely to the raw material identified above.

Authorized by

Fozia Khot
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