



## IFRA COMPLIANCE STATEMENT

### IFRA Standards – 51<sup>st</sup> Amendment

---

#### 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

---

#### IFRA STATEMENT

This certificate provides information regarding the compliance of the above-mentioned fragrance ingredient with the International Fragrance Association (IFRA) Standards – 51<sup>st</sup> Amendment.

Betel Leaf Essential Oil (*Piper betle* L.) is a Natural Complex Substance (NCS) obtained by steam distillation of the leaves of *Piper betle*.

According to the current IFRA Standards – 51<sup>st</sup> Amendment, Betel Leaf Essential Oil is not individually restricted by IFRA.

However, this natural essential oil may contain naturally occurring constituents such as Eugenol, Isoeugenol, Geraniol, Safrole, and Estragole, depending on chemotype and origin. These constituents are individually addressed under the IFRA Standards where applicable and should be considered when assessing the finished fragrance formulation.

---



## IFRA RESTRICTIONS

| Parameter                 | Status                                    |
|---------------------------|-------------------------------------------|
| Individual IFRA Standard  | None identified                           |
| Specific IFRA Restriction | None identified                           |
| Maximum Use Level         | Not specifically restricted under IFRA 51 |
| IFRA Compliance           | Complies                                  |

---

## ADDITIONAL FORMULATION CONSIDERATIONS

Betel Leaf Essential Oil exhibits significant natural compositional variability according to geographical origin and chemotype. Published data indicate that the oil may contain high levels of Eugenol, Isoeugenol, and Geraniol, which are IFRA-restricted constituents when present. Some chemotypes may also contain Safrole or Estragole, which require separate regulatory evaluation. The fragrance manufacturer is responsible for evaluating the complete composition of each batch where these constituents may influence compliance.

---

## COMPLIANCE

Betel Leaf Essential Oil may be incorporated into fragrance compounds in accordance with Good Manufacturing Practice (GMP).

The finished fragrance shall comply with:

- The current IFRA Standards – 51st Amendment.
  - Any restrictions applicable to naturally occurring restricted constituents present in the batch.
  - The applicable IFRA Product Category for the finished consumer product.
- 

## DECLARATION

To the best of our knowledge and based upon the available supplier documentation together with the IFRA Standards – 51st Amendment, Betel Leaf Essential Oil (Piper betle L.) is not individually restricted by IFRA.

This certificate applies solely to the raw material identified above.

Responsibility for ensuring compliance of the finished fragrance compound with the applicable IFRA Product Category, including assessment of naturally occurring restricted constituents, remains with the fragrance manufacturer.

---



## REGULATORY NOTE

This certificate applies only to the raw material identified above.

It does not replace an IFRA Certificate of Conformity for a finished fragrance compound, which must be prepared after evaluation of all fragrance ingredients and the intended end-use category.

---

### Authorized by

**Fozia Khot**  
Director  
Aromology Trading LLC