



A R O M O L O G Y

## IFRA COMPLIANCE STATEMENT

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

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### Product Identification

| Parameter      | Details                       |
|----------------|-------------------------------|
| Product        | Priprioca Essential Oil       |
| Botanical Name | <i>Cyperus articulatus</i> L. |
| INCI           | Cyperus Articulatus Root Oil  |
| CAS            | 799259-56-6                   |
| Product Type   | Natural Complex Substance     |
| Origin         | Brazil                        |
| IFRA Amendment | 51st Amendment                |

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### IFRA ASSESSMENT

Priprioca Essential Oil is classified as a Natural Complex Substance (NCS).

The material contains naturally occurring constituents that may contribute to IFRA restrictions. Under the IFRA guidance for Natural Complex Substances, compliance is determined from the concentrations of restricted constituents identified by batch-specific analytical data rather than by a universal use limit.

The IFRA Annex on contributions from other sources specifically links *Cyperus articulatus* oil to the Citral standard because citral may occur naturally in the oil.

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### REPRESENTATIVE IFRA-RELEVANT CONSTITUENTS

| Constituent                          | Status                                       |
|--------------------------------------|----------------------------------------------|
| Citral                               | Naturally occurring (trace; batch dependent) |
| $\alpha$ -Pinene                     | Naturally occurring                          |
| $\beta$ -Pinene                      | Naturally occurring                          |
| Caryophyllene Oxide                  | Naturally occurring                          |
| Other Naturally Occurring Terpenoids | Batch dependent                              |

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## AROMOLOGY IFRA CATEGORY ASSESSMENT

For IFRA Categories 1–12:

Batch-specific IFRA assessment required.

Maximum allowable concentration depends upon:

- batch-specific GC/MS analysis;
- concentration of naturally occurring citral and any other IFRA-restricted constituents;
- intended IFRA end-use category; and
- cumulative contribution from all fragrance ingredients.

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### COMPLIANCE CALCULATION

Restricted constituent in finished fragrance (%) =

Pripioca Essential Oil (%) × Constituent (%) ÷ 100

The total contribution from every fragrance ingredient containing the same restricted constituent shall be included.

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### DECLARATION

1. Pripioca Essential Oil is a Natural Complex Substance.
2. No single universal maximum use level applies to the raw material.
3. Batch-specific GC/MS analysis should always be used for IFRA calculations.
4. The original producer's analytical documentation and IFRA assessment shall take precedence.
5. Final IFRA compliance remains the responsibility of the finished fragrance manufacturer.

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### AUTHORISED BY

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