



A R O M O L O G Y

## IFRA COMPLIANCE STATEMENT

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

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Supplier

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### Co-distilled Grapefruit & Cedarwood Oil

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#### Product Identification

| Parameter           | Details                                    |
|---------------------|--------------------------------------------|
| Product Name        | Co-distilled Grapefruit & Cedarwood Oil    |
| Product Type        | Natural co-distilled essential oil         |
| Botanical Source 1  | <i>Citrus × paradisi</i>                   |
| Botanical Source 2  | Cedarwood species to be confirmed          |
| Chemical Identity   | Natural complex substance                  |
| CAS Number          | Not assigned to complete co-distillate     |
| Applicable Standard | IFRA Standards, 51 <sup>st</sup> Amendment |

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#### Material Description

Co-distilled Grapefruit & Cedarwood Oil is a natural complex substance produced by simultaneous or sequential distillation of grapefruit peel and cedarwood.

The resulting material may contain:

- Limonene
  - Pinene isomers
  - Myrcene
  - Linalool
  - Citral
  - Geraniol
  - Cedrene isomers
  - Cedrol
  - Thujopsene
  - Himachalenes or atlantones
  - Other natural terpenes and sesquiterpenes
  - Possible furocoumarin residues, depending on processing
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## AROM OLOGY

### IFRA Conformity Statement

No universal numerical maximum-use level can be assigned from the product trade name alone.

The maximum permissible concentration must be calculated using:

- Exact grapefruit processing method
- Furocoumarin content
- Exact cedarwood botanical species
- Batch-specific GC-MS profile
- Concentrations of restricted constituents
- Intended IFRA category
- Finished-product fragrance dosage
- Contributions from all other formula ingredients
- Applicable IFRA 51 Standards

This declaration therefore provides conditional raw-material conformity, not an unrestricted numerical certificate.

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#### IFRA Category Assessment

| IFRA Category | Representative Product Types           | Status                                         |
|---------------|----------------------------------------|------------------------------------------------|
| Category 1    | Lip products                           | Formula assessment required                    |
| Category 2    | Deodorants and antiperspirants         | Formula assessment required                    |
| Category 3    | Eye and facial products                | Formula assessment required                    |
| Category 4    | Fine fragrance                         | Formula and phototoxicity assessment required  |
| Category 5A   | Body lotions and creams                | Formula and phototoxicity assessment required  |
| Category 5B   | Facial moisturisers                    | Formula and phototoxicity assessment required  |
| Category 5C   | Hand creams                            | Formula assessment required                    |
| Category 5D   | Baby creams and oils                   | Formula assessment required                    |
| Category 6    | Oral-care products                     | Not recommended without specific authorisation |
| Category 7A   | Rinse-off hair products                | Formula assessment required                    |
| Category 7B   | Leave-on hair products                 | Formula assessment required                    |
| Category 8    | Intimate wipes and related products    | Formula assessment required                    |
| Category 9    | Soap and rinse-off body products       | Formula assessment required                    |
| Category 10A  | Household products with hand contact   | Formula assessment required                    |
| Category 10B  | Aerosol and spray air-care products    | Formula assessment required                    |
| Category 11A  | Incidental contact with UV exposure    | Formula and phototoxicity assessment required  |
| Category      | Incidental contact without UV exposure | Formula assessment required                    |



## AROM OLOGY 11B

**Category 12** Candles, incense and negligible skin contact      Formula assessment required

The absence of a numerical value does not mean unrestricted use.

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### Representative IFRA-Relevant Constituents

| Constituent   | CAS No.   | Representative Content | Assessment Relevance              |
|---------------|-----------|------------------------|-----------------------------------|
| D-Limonene    | 5989-27-5 | 48.00%                 | Oxidation and sensitisation       |
| Linalool      | 78-70-6   | 0.65%                  | Oxidation and sensitisation       |
| Citral        | 5392-40-5 | 0.18%                  | Restricted constituent assessment |
| Geraniol      | 106-24-1  | 0.06%                  | Sensitisation assessment          |
| Citronellol   | 106-22-9  | 0.03%                  | Sensitisation assessment          |
| Farnesol      | 4602-84-0 | 0.02%                  | Sensitisation assessment          |
| Alpha-Pinene  | 80-56-8   | 0.5–5%                 | Oxidation and sensitisation       |
| Beta-Pinene   | 127-91-3  | 0.2–4%                 | Oxidation and sensitisation       |
| Beta-Myrcene  | 123-35-3  | 1–6%                   | Formula-specific assessment       |
| Furocoumarins | Various   | Unknown                | Phototoxicity assessment          |
| Bergapten     | 484-20-8  | Unknown                | Phototoxicity assessment          |

All concentrations are representative placeholders.

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### Conditional IFRA Declaration

Subject to confirmation of the exact composition and successful formula assessment:

Co-distilled Grapefruit & Cedarwood Oil may be used in fragrance and fragranced consumer products where the finished product complies with all applicable IFRA 51 Standards for its intended category.

This document does not establish a numerical maximum concentration.

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### Information Required for Final Certification

Before issuing a numerical IFRA Certificate, obtain:

- Exact grapefruit processing method
- Percentage of grapefruit fraction
- Furocoumarin analysis
- Bergapten analysis
- Exact cedarwood species
- Batch-specific GC-MS profile
- Quantitative restricted constituents



## A R O M O L O G Y

- Finished-product category
- Intended raw-material dosage
- Contributions from other formula materials

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### Disclaimer

This document is a representative raw-material IFRA 51 conformity template and is not an IFRA-issued certificate.

Final conformity requires:

- Manufacturer composition information
- Batch-specific analytical data
- Applicable IFRA Standard review
- Correct product categorisation
- Cumulative restricted-constituent calculations
- Phototoxicity assessment
- Finished-product safety evaluation

The fragrance manufacturer remains responsible for issuing the final numerical Certificate of Conformity for the complete fragrance compound.

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### Authorised by:

Fozia Khot  
Director