



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	Green Mandarin Essential Oil
Alternative Names	Green Mandarin Oil; Unripe Mandarin Peel Oil
Botanical Name	<i>Citrus reticulata</i> Blanco
INCI Name	Citrus Reticulata Peel Oil
Primary CAS Number	8008-31-9
EC Number	284-521-0
FEMA Number	2657
Plant Part	Peel of immature green mandarin fruit
Extraction Method	Cold expression / mechanical pressing
Material Type	Natural Complex Substance
IFRA Amendment Reviewed	51 st Amendment
Issue Date	17 July 2026

DECLARATION

Green Mandarin Essential Oil has been reviewed with reference to the IFRA Standards issued under the 51st Amendment.

No universal maximum-use concentration is assigned to the complete natural oil in this statement.

Conformity depends on:

- Actual batch composition.
- Concentrations of restricted constituents.
- Oxidation status.
- Intended IFRA finished-product category.
- Essential-oil concentration in the fragrance compound.



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- Fragrance-compound concentration in the finished product.
- Contributions from all other formulation ingredients.
- Final toxicological and exposure assessment.

IFRA STATUS

Green Mandarin Essential Oil may be used subject to batch-specific constituent assessment and compliance with all applicable IFRA Standards.

The material must not be described as universally unrestricted merely because it is not subject to a dedicated maximum-use level.

PHOTOTOXICITY STATUS

The IFRA Natural Complex Substances Task Force concluded that mandarin oil does not contain relevant quantities of phototoxic furocoumarins.

Accordingly, authentic mandarin oil is not subject to the general IFRA phototoxicity restriction applied to certain other expressed citrus oils.

This conclusion does not apply automatically where the material:

- Is blended with phototoxic citrus oils.
- Is adulterated or incorrectly identified.
- Contains undeclared citrus fractions.
- Has batch-specific evidence of relevant furocoumarins.

REPRESENTATIVE CONSTITUENTS REQUIRING REVIEW

Constituent or Parameter	Assessment Requirement
Limonene	Review concentration and oxidation status
Linalool	Review concentration and oxidation status
Citral	Review batch concentration where present
Alpha-Pinene	Review batch concentration
Beta-Pinene	Review batch concentration
Terpinolene	Batch dependent
Gamma-Terpinene	Review overall constituent profile
Terpene Hydroperoxides	Consider ageing and storage conditions
Fragrance Allergens	Determine through batch-specific analysis
Furocoumarins	Not expected at relevant levels; verify where authenticity is



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uncertain

Any IFRA-Restricted
Constituent

Calculate individually where detected

IFRA CATEGORY ASSESSMENT

IFRA Category	Conformity Status
Category 1	Batch-specific assessment required
Category 2	Batch-specific assessment required
Category 3	Batch-specific assessment required
Category 4	Batch-specific assessment required
Category 5A	Batch-specific assessment required
Category 5B	Batch-specific assessment required
Category 5C	Batch-specific assessment required
Category 5D	Batch-specific assessment required
Category 6	Separate oral-use and regulatory assessment required
Category 7A	Batch-specific assessment required
Category 7B	Batch-specific assessment required
Category 8	Batch-specific assessment required
Category 9	Batch-specific assessment required
Category 10A	Household and inhalation assessment required
Category 10B	Household and inhalation assessment required
Category 11A	Batch-specific assessment required
Category 11B	Batch-specific assessment required
Category 12	Assessment required for intended application

CONDITIONS OF CONFORMITY

The material may be incorporated into a fragrance formulation provided that:

1. The appropriate IFRA finished-product category is selected.
 2. Current batch-specific compositional data are available.
 3. Every applicable restricted constituent is calculated separately.
 4. Contributions from all formulation ingredients are combined.
 5. The oxidation and peroxide status of the oil are controlled.
 6. The fragrance concentration in the finished product is considered.
 7. The intended exposure route and product format are assessed.
 8. Applicable regional cosmetic and chemical legislation is followed.
 9. A qualified finished-product safety assessment is completed.
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OXIDATION QUALIFICATION



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Limonene, linalool, pinene and other unsaturated terpenes may oxidise following exposure to oxygen, heat or light.

Oxidation products may exhibit greater sensitising potential than the original constituents.

The material should therefore be:

- Stored tightly sealed.
- Protected from heat and direct sunlight.
- Kept with minimal headspace.
- Monitored for peroxide development.
- Reassessed following prolonged storage.

RESTRICTIONS ON INTERPRETATION

This statement does not mean:

- The oil may be used at any concentration.
- The oil is suitable for every product category.
- The oil may be applied directly to skin.
- Restricted constituents or allergens are absent.
- Every production batch has identical composition.
- The oil is approved for smoking or vaping.
- The oil is approved for internal consumption.
- A finished product has been IFRA certified.

CONCLUSION

CONFORMS TO THE IFRA 51ST AMENDMENT SUBJECT TO BATCH-SPECIFIC AND FINISHED-PRODUCT ASSESSMENT

Authentic Green Mandarin Essential Oil is not considered subject to the IFRA phototoxicity restriction applicable to certain other expressed citrus oils.

No universal maximum-use percentage is declared.

The manufacturer placing the finished product on the market remains responsible for the final IFRA calculation, safety assessment and legal compliance.

Authorised by:

Fozia Khot
Director