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IFRA COMPLIANCE STATEMENT

IFRA Standards – 51st Amendment

Supplier

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PRODUCT IDENTIFICATION

Parameter	Details
Product Name	Nootkatone Crystals
Chemical Name	(+)-Nootkatone
INCI Name	Nootkatone
CAS Number	4674-50-4
EC Number	225-124-4
Molecular Formula	C ₁₅ H ₂₂ O
Material Type	Natural Aroma Chemical
IFRA Amendment	51st Amendment
IFRA Standard Type	Specification
Standard Publication Year	2006

IFRA 51 STATUS

Nootkatone is subject to an IFRA Specification Standard.

It is not subject to category-specific maximum-use concentrations under this Standard. Instead, the material may be used as a fragrance ingredient only when it satisfies the prescribed purity and melting-point requirements.

The official IFRA 51st Amendment index identifies Nootkatone, CAS 4674-50-4, as subject to a Specification Standard originally published in 2006.

MANDATORY IFRA SPECIFICATION

IFRA Requirement	Required Standard	Product Status
Nootkatone Purity	Minimum 98.0%	Conforms



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Melting Point	Minimum 32°C	Conforms
Lower-Purity Grades	Must not be used as a fragrance ingredient	Not applicable
Representative Product Assay	98.7%	Conforms
Representative Melting Point	35.6°C	Conforms

The IFRA specification states that Nootkatone used as a fragrance ingredient must be at least 98% pure and have a melting point of at least 32°C. Lower-purity grades may not be used as fragrance ingredients.

IFRA CATEGORY DECLARATION

Because the applicable Standard is a purity specification, rather than a quantitative restriction, no separate IFRA maximum-use percentage is established for Categories 1–12 by the Nootkatone Standard itself.

IFRA Category	Status
Category 1	Permitted subject to the purity specification and applicable flavour requirements
Category 2	Permitted subject to the purity specification
Category 3	Permitted subject to the purity specification
Category 4	Permitted subject to the purity specification
Category 5A	Permitted subject to the purity specification
Category 5B	Permitted subject to the purity specification
Category 5C	Permitted subject to the purity specification
Category 5D	Permitted subject to the purity specification
Category 6	Permitted subject to the purity specification and applicable flavour requirements
Category 7A	Permitted subject to the purity specification
Category 7B	Permitted subject to the purity specification
Category 8	Permitted subject to the purity specification
Category 9	Permitted subject to the purity specification
Category 10A	Permitted subject to the purity specification
Category 10B	Permitted subject to the purity specification
Category 11A	Permitted subject to the purity specification
Category 11B	Permitted subject to the purity specification
Category 12	Permitted subject to the purity specification

“Permitted” does not constitute a recommendation for use at 100%. The dosage must be determined through the safety assessment of the complete fragrance and finished consumer product.



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CATEGORIES 1 AND 6

For products with possible incidental oral exposure in IFRA Categories 1 and 6, the material must also comply with applicable flavour-safety requirements recognised under the relevant flavour industry code of practice.

This additional requirement arises because small amounts of fragrance ingredients may be ingested from products in these categories.

CONTRIBUTIONS FROM NATURAL SOURCES

Nootkatone occurs naturally in certain botanical extracts, particularly grapefruit materials. Under the IFRA specification, naturally occurring trace contributions from other sources are not considered relevant to the minimum-purity requirement applied to Nootkatone supplied as an individual fragrance ingredient.

CONDITIONS OF CONFORMITY

This conformity statement applies only where:

1. The material contains at least 98% Nootkatone.
2. The material has a melting point of at least 32 °C.
3. The actual batch is confirmed by suitable analytical testing.
4. The complete fragrance formulation complies with all other applicable IFRA Standards.
5. The intended finished consumer product undergoes an appropriate safety assessment.
6. Applicable regional laws and cosmetic regulations are observed.
7. Applicable flavour requirements are met for Categories 1 and 6.

CERTIFICATION

Based on representative analytical data, Nootkatone Crystals conforms to the requirements of the Nootkatone Specification Standard under the IFRA 51st Amendment.

This document is a raw-material conformity statement. It does not replace:

- A formula-specific IFRA Certificate for a fragrance mixture
- A finished-product safety assessment
- A batch-specific Certificate of Analysis
- Compliance with local or national legislation



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IFRA states that formal Certificates of Conformity are generally established for fragrance mixtures intended for direct incorporation into finished consumer products; raw-material suppliers should instead communicate the relevant Standard and analytical conformity.

AUTHORISED BY

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