



A R O M O L O G Y

IFRA COMPLIANCE STATEMENT

IFRA Standards – 51st Amendment

Supplier

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Product Information

Product Identification

Parameter	Details
Product Name	Rose Damascena CO ₂ Extract Premium
Botanical Name	<i>Rosa damascena</i> Mill.
Common Name	Damask Rose CO ₂ Extract
INCI Name	<i>Rosa Damascena Flower Extract</i>
CAS No.	8007-01-0
Botanical Family	Rosaceae
Plant Part Used	Flowers / Petals
Extraction Method	Supercritical Carbon Dioxide Extraction
Product Type	Natural Complex Substance / Botanical Extract
Grade	Premium Professional Perfumery Grade
Country of Origin	Bulgaria / Turkey / Morocco (Batch Dependent)
Applicable Standard	IFRA Standards – 51 st Amendment

IFRA Conformity Statement

Based on the available technical information and the IFRA Standards applicable under the 51st Amendment, Rose Damascena CO₂ Extract Premium, CAS No. 8007-01-0, is not subject to a specific IFRA maximum-use restriction as a complete natural raw material.

The material may therefore be described as:

Not Restricted as a Complete Raw Material under IFRA 51

However, this does not mean that unrestricted quantities may automatically be used in every finished product.



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Rose Damascena CO₂ Extract Premium is a natural complex substance that may contain individual constituents regulated by separate IFRA Standards. The concentration of these restricted constituents must be assessed using:

Batch-specific GC-MS data

Quantitative allergen information

The concentration of the extract in the fragrance compound

The concentration of the fragrance compound in the finished product

Contributions from all other formulation ingredients

The applicable IFRA finished-product category

IFRA 51 Maximum Use-Level Table

Because the complete raw material is not specifically restricted under IFRA 51, no standalone category-specific maximum is assigned to the material itself.

IFRA Category	Typical Finished-Product Applications	Maximum Use Level for the Complete Raw Material
Category 1	Lip products	Not specifically restricted*
Category 2	Deodorants and antiperspirants	Not specifically restricted*
Category 3	Eye products and facial makeup	Not specifically restricted*
Category 4	Fine fragrance products	Not specifically restricted*
Category 5A	Body creams, lotions and leave-on body products	Not specifically restricted*
Category 5B	Face moisturisers and leave-on facial products	Not specifically restricted*
Category 5C	Hand creams and hand-care products	Not specifically restricted*
Category 5D	Baby creams, baby oils and baby products	Not specifically restricted*
Category 6	Oral-care and lip-exposure products	Not specifically restricted*
Category 7A	Rinse-off hair products	Not specifically restricted*
Category 7B	Leave-on hair products	Not specifically restricted*
Category 8	Intimate wipes and intimate-care products	Not specifically restricted*
Category 9	Soap, shower gel and rinse-off skin products	Not specifically restricted*
Category 10A	Household products with hand contact	Not specifically restricted*
Category 10B	Air-care sprays and aerosol products	Not specifically restricted*
Category 11A	Products with minimal skin transfer and UV exposure	Not specifically restricted*
Category 11B	Products with minimal skin transfer without UV exposure	Not specifically restricted*
Category 12	Candles, incense, reed diffusers and non-	Not specifically restricted*



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Category

Typical Finished-Product Applications

Maximum Use Level for the Complete Raw Material

skin applications

Important Qualification

“Not specifically restricted” does not mean that the finished product is exempt from safety assessment.

The usable concentration may be limited by naturally occurring restricted substances, local cosmetic regulations, toxicological considerations, product performance or the finished-product safety assessment.

Naturally Occurring IFRA-Relevant Constituents

The following substances may occur naturally in Rose Damascena CO₂ Extract Premium and should be reviewed against applicable IFRA Standards.

Constituent	CAS No.	Representative Content	IFRA Relevance
Citronellol	106-22-9	15.00–35.00%	Specification and sensitisation considerations
Geraniol	106-24-1	8.00–25.00%	Specification and sensitisation considerations
Nerol	106-25-2	3.00–15.00%	Natural fragrance constituent
Phenethyl Alcohol	60-12-8	2.00–15.00%	Natural fragrance constituent
Eugenol	97-53-0	Trace–3.00%	Restricted fragrance constituent
Farnesol	4602-84-0	Trace–3.00%	Specification and sensitisation considerations
Linalool	78-70-6	Trace–3.00%	Specification and oxidation considerations
Limonene	5989-27-5	Trace–1.00%	Specification and oxidation considerations
Citral	5392-40-5	Trace–0.50%	IFRA-restricted constituent
Isoeugenol	97-54-1	Trace–0.20%	IFRA-restricted constituent
Methyl Eugenol	93-15-2	Trace–1.00%	IFRA-restricted constituent
Geranyl Acetate	105-87-3	Trace–3.00%	Natural fragrance constituent
Rose Ketones	Various	Trace	IFRA-restricted constituent group
Alpha-Pinene	80-56-8	Trace	Specification considerations
Beta-Pinene	127-91-3	Trace	Specification considerations

The values above are representative and must not replace actual batch analysis.

Methyl Eugenol Assessment

Methyl eugenol may occur naturally in rose-derived materials.



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The permissible concentration of Rose Damascena CO₂ Extract Premium in a finished product may be determined by:

The actual methyl eugenol concentration in the extract

The total contribution from all natural fragrance ingredients

The relevant finished-product category

The maximum concentration permitted by the applicable IFRA Standard

Calculation Formula

Methyl Eugenol in Finished Product (%) = Extract Use Level (%) × Methyl Eugenol in Extract (%) ÷ 100

Illustrative Example

Where the extract contains:

0.22% methyl eugenol

and is used in a fine-fragrance product at:

2.00%

the methyl eugenol contribution would be:

$2.00 \times 0.22 \div 100 = 0.0044\%$

This result must then be combined with methyl eugenol contributed by all other formulation ingredients.

Rose Ketone Assessment

Rose-derived materials may contain trace concentrations of rose ketones, including:

Alpha-Damascone

Beta-Damascone

Delta-Damascone

Alpha-Damascenone

Beta-Damascenone

Other structurally related rose ketones



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IFRA restrictions may apply to individual rose ketones and to the combined concentration of relevant isomers.

The combined rose-ketone contribution from all fragrance materials must be calculated when applicable.

Calculation Formula

Rose Ketones in Finished Product (%) = Extract Use Level (%) × Total Rose Ketones in Extract (%) ÷ 100

Batch-specific analytical information is required for an accurate assessment.

Other Restricted-Constituent Considerations

Citral

Citral may be present naturally in trace concentrations. The total citral contribution from all ingredients must comply with the applicable IFRA Standard.

Eugenol and Isoeugenol

These substances may be restricted depending on:

- Their concentrations in the raw material
- The finished-product category
- The cumulative contribution from other ingredients

Oxidisable Terpenes

Linalool and limonene may oxidise during storage. Oxidised forms may have increased sensitisation potential.

The material should therefore be:

- Stored away from heat and light
- Protected from unnecessary air exposure
- Kept in tightly closed containers
- Used within the recommended shelf life

Finished-Product Compliance Calculation

The fragrance manufacturer must calculate the level of every applicable restricted constituent in the finished product.



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General Formula

Restricted Constituent in Finished Product (%) =

Raw Material Use Level (%) × Constituent Concentration in Raw Material (%) ÷ 100

Where several ingredients contain the same restricted constituent, all contributions must be added.

Cumulative Formula

Total Restricted Constituent (%) = Contribution from Ingredient 1 + Ingredient 2 + Ingredient 3 + All Other Sources

The final cumulative result must remain at or below the applicable IFRA maximum.

Prohibited and Restricted Materials Declaration

Requirement	Status
Intentionally Added IFRA-Prohibited Materials	None declared
Naturally Occurring Restricted Constituents	May be present
Synthetic Fragrance Materials	Not intentionally added
Synthetic Rose Bases	Not intentionally added
Carrier Solvents	None, unless declared
Phthalates	Not intentionally added
Residual Organic Extraction Solvents	Not expected
Batch-Specific GC-MS Review Required	Yes
Finished-Product Calculation Required	Yes

Regulatory Notice

IFRA explains that Certificates of Conformity are generally intended for fragrance mixtures rather than individual raw materials.

For a natural raw material, the supplier may instead provide information confirming that:

The raw material is not directly restricted

It contains naturally occurring restricted constituents

Batch-specific constituent information must be considered

The finished fragrance manufacturer remains responsible for final compliance

This document should therefore be regarded as a professional IFRA 51 raw-material conformity declaration rather than an official IFRA-issued certificate.

Disclaimer



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This document is a professional representative IFRA 51 conformity template prepared using general compositional information for Rose Damascena CO₂ extracts and the supplied CAS No. 8007-01-0.

It does not represent laboratory testing of a particular production batch and does not certify that every future batch has an identical composition.

Before signing, stamping or issuing this document, the information should be verified against:

- The original producer's Certificate of Analysis

- Batch-specific GC-MS analysis

- Quantitative methyl eugenol data

- Quantitative rose-ketone data

- Current allergen information

- The original producer's IFRA documentation

- The complete fragrance formulation

- The applicable finished-product category

This declaration applies only to the raw material identified herein. It does not constitute a complete safety assessment or regulatory approval of any finished fragrance, cosmetic, personal-care or household product.

The finished-product manufacturer remains responsible for:

- Confirming the correct product identity

- Selecting the correct IFRA category

- Calculating cumulative restricted constituents

- Reviewing all formulation ingredients

- Conducting the finished-product safety assessment

- Ensuring compliance with the current IFRA Standards

- Ensuring compliance with all applicable national and international legislation

Authorised by

Fozia Khot

Director

Aromology Trading LLC