

IFRA CONFORMITY STATEMENT

GERANIOL

Based on IFRA Standards – 51st Amendment

Product Name	Geraniol
INCI Name	Geraniol
Chemical Name	3,7-Dimethylocta-2,6-dien-1-ol
CAS No.	106-24-1
EC No.	203-377-1
Molecular Formula	C ₁₀ H ₁₈ O
Molecular Weight	154.25 g/mol
Product Type	Aroma Chemical / Fragrance Ingredient
Odor	Sweet, floral, rosy

Geraniol is subject to an IFRA Restriction Standard. The current 51st Amendment standard identifies dermal sensitization and systemic toxicity as the intrinsic properties driving risk management.

IFRA Maximum Acceptable Concentrations

The following percentages are the maximum acceptable concentration of Geraniol in the finished consumer product.

IFRA Category	Maximum Geraniol
Category 1	0.78%
Category 2	0.25%
Category 3	1.10%
Category 4	4.70%
Category 5A	1.20%
Category 5B	0.78%

IFRA Category	Maximum Geraniol
Category 5C	0.94%
Category 5D	0.26%
Category 6	0.16%
Category 7A	0.78%
Category 7B	0.78%
Category 8	0.26%
Category 9	2.80%
Category 10A	1.10%
Category 10B	5.30%
Category 11A	0.26%
Category 11B	0.26%
Category 12	No Restriction

These values are taken directly from the official IFRA Geraniol Standard published under the 51st Amendment (2023).

Fine Fragrance – Category 4

For fine fragrances, perfumes, Eau de Parfum, Eau de Toilette and similar products, the maximum acceptable concentration is:

Category 4: 4.70% Geraniol in the finished product.

This percentage is an IFRA maximum acceptable concentration, not a recommended formulation dosage.

Statement of Conformity

Geraniol (CAS No. 106-24-1) may be used as a fragrance ingredient provided that the total concentration of Geraniol in the finished consumer product does not exceed the applicable **IFRA maximum acceptable concentration stated above.**

Geraniol may also be naturally present in essential oils and other natural fragrance materials. IFRA therefore requires relevant contributions from other sources to be considered when determining the total Geraniol concentration.

Flavor Requirement

For Categories 1 and 6, where small quantities of fragrance ingredients may potentially be ingested, IFRA states that the material must also be recognized as safe as a flavoring ingredient according to the applicable flavor requirements.

Implementation Dates

The 51st Amendment Geraniol Standard lists:

New fragrance creations: March 30, 2024

Existing fragrance creations: October 30, 2025

These implementation dates apply to the supply of fragrance mixtures, rather than finished consumer products already in the marketplace.

Regulatory & Safety Statement

Compliance with the IFRA Standard does not replace the manufacturer's responsibility to conduct an appropriate finished-product safety assessment and comply with applicable national and regional cosmetic and fragrance regulations.

IFRA also explains that a formal IFRA Certificate of Conformity is intended for fragrance mixtures.



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