

IFRA CONFORMITY STATEMENT

CITRONELLOL

Based on the IFRA Standards up to and including the 51st Amendment

Product Name	Citronellol
INCI Name	Citronellol
Chemical Name	3,7-Dimethyl-6-octen-1-ol
CAS No.	106-22-9
EC No.	203-375-0
Molecular Formula	C ₁₀ H ₂₀ O
Molecular Weight	156.27 g/mol
Product Type	Aroma Chemical / Fragrance Ingredient

Citronellol is covered by an IFRA Restriction Standard, with dermal sensitization identified as the intrinsic property driving risk management. The Citronellol Standard was revised under the 49th Amendment and remains within IFRA's complete Standards through the 51st Amendment.

IFRA Maximum Acceptable Concentrations

These limits refer to the concentration of Citronellol in the finished consumer product.

IFRA Category Maximum Citronellol

Category 1	2.2%
Category 2	0.67%
Category 3	13.0%
Category 4	12.0%
Category 5A	3.2%
Category 5B	3.2%
Category 5C	3.2%
Category 5D	3.2%
Category 6	7.3%
Category 7A	25.0%

IFRA Category Maximum Citronellol

Category 7B 25.0%

Category 8 1.3%

Category 9 24.0%

Category 10A 87.0%

Category 10B 87.0%

Category 11A 48.0%

Category 11B 48.0%

Category 12 No Restriction

These values are directly stated in IFRA's Citronellol Standard.

Fine Fragrance – Category 4

For perfumes and other fine-fragrance applications, the IFRA Category 4 maximum is: 12.0% Citronellol in the finished consumer product.

Statement of Conformity

Citronellol (CAS No. 106-22-9) may be used as a fragrance ingredient provided that the total Citronellol concentration in the finished consumer product does not exceed the applicable IFRA maximum acceptable concentration shown above.

Citronellol can also occur naturally in materials such as geranium oil, rose absolute, citronella oil and other natural complex substances. These additional sources must be considered when calculating the total Citronellol concentration in the finished formulation.

Important Regulatory Note

The IFRA limits are not recommended fragrance dosage levels. They represent maximum acceptable concentrations under the applicable IFRA Standard. The finished-product manufacturer remains responsible for determining the appropriate concentration, correct IFRA category, safety assessment and compliance with applicable regulations.

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