



A R O M O L O G Y

IFRA COMPLIANCE STATEMENT

IFRA Standards – 51st Amendment

Aromology Trading LLC
G05 Al Ghazal Building
Nadd Al Hamar
Dubai, United Arab Emirates

Website: www.aromology.com

Email: info@aromology.com

CLARITONE®

PRODUCT IDENTIFICATION

Parameter	Details
Product Name	Claritone®
Manufacturer	Symrise
Symrise Product No.	600285
Chemical Name	2,4,4,7-Tetramethyl-6-octen-3-one
CAS Number	74338-72-0
Molecular Formula	C ₁₂ H ₂₂ O
Molecular Weight	182.3 g/mol
Chemical Class	Ketone
Applicable Standard	IFRA Standards – 51st Amendment
Restriction Basis	Dermal Sensitization and Systemic Toxicity

IFRA STANDARD

The IFRA Standard specifically identifies:
2,4,4,7-Tetramethyl-6-octen-3-one

and gives:

Claritone – Commercial Name

The material became subject to an IFRA restriction with publication of the 51st Amendment in 2023.

Implementation Dates

Application	Date
New fragrance creations	30 March 2024
Existing fragrance creations	30 October 2025



AROM O L O G Y

These implementation dates relate to the supply of fragrance mixtures/formulas rather than finished consumer products already in the marketplace.

IFRA 51 MAXIMUM ACCEPTABLE CONCENTRATIONS

Maximum concentration of Claritone® in the FINISHED CONSUMER PRODUCT

IFRA Category	Maximum Acceptable Concentration
Category 1	0.34%
Category 2	0.10%
Category 3	2.0%
Category 4	1.9%
Category 5A	0.48%
Category 5B	0.48%
Category 5C	0.48%
Category 5D	0.16%
Category 6	0.45%
Category 7A	3.9%
Category 7B	3.9%
Category 8	0.16%
Category 9	3.7%
Category 10A	10.0%
Category 10B	13.0%
Category 11A	0.16%
Category 11B	0.16%
Category 12	NO RESTRICTION

BASIS OF RESTRICTION

The IFRA 51 Standard identifies the intrinsic properties driving risk management as:

DERMAL SENSITIZATION and SYSTEMIC TOXICITY

Maximum acceptable concentrations were established from a comprehensive safety assessment.

Depending on the product category, the more restrictive endpoint determines the final maximum permitted concentration.

CONTRIBUTIONS FROM OTHER SOURCES

According to the IFRA 51 Standard:
NONE TO CONSIDER BEYOND TRACES

Therefore, no significant contribution from other natural or synthetic fragrance sources needs to be included for this specific IFRA Standard beyond trace contributions.



AROM OLOGY

SYMRISE PERFUMERY RECOMMENDATION

Symrise publishes a recommended perfumery use level of:

0.5–10%

This recommendation describes an olfactive formulation range.

It does not override the IFRA 51 restriction.

For example, although Symrise may recommend up to 10% in a fragrance composition, the final consumer product must remain below the applicable IFRA category limit.

CERTIFICATE DECLARATION

We hereby declare that:

CLARITONE® – SYMRISE

CAS 74338-72-0

is subject to an IFRA RESTRICTION under the 51st Amendment.

Use of this material is acceptable only when its concentration in the finished consumer product does not exceed the applicable category-specific maximum stated in this certificate.

For Category 4 – Fine Fragrance, the maximum acceptable finished-product concentration is:

1.90%

For Category 12, there is:

NO IFRA RESTRICTION

under this specific Claritone Standard.

REGULATORY NOTE

The category percentages stated above are taken from the official IFRA 51 Standard for 2,4,4,7-Tetramethyl-6-octen-3-one (Claritone), CAS 74338-72-0.

This supplier certificate does not replace a finished-fragrance IFRA Certificate of Conformity. The finished fragrance formulation must be assessed according to its complete composition and intended end-use category.

Authorised by:

Fozia Khot

Director