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IFRA COMPLIANCE STATEMENT

IFRA Standards – 51st Amendment

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Zenolide

PRODUCT INFORMATION

Product Name: Zenolide
Chemical Name: Ethylene Dodecanedioate
CAS Number: 54982-83-1
EC Number: 259-423-6
Product Type: Aroma Chemical / Perfumery Raw Material
Intended Use: Fragrance Ingredient

IFRA COMPLIANCE

Applicable Standard: International Fragrance Association (IFRA) Standards
IFRA Amendment: 51st Amendment
IFRA 51 Publication Date: June 2023
Compliance Status: COMPLIANT

We hereby certify that:

ZENOLIDE

Chemical Name: Ethylene Dodecanedioate
is in compliance with the Standards of the International Fragrance Association (IFRA) up to and including the 51st Amendment, provided that it is used in accordance with the conditions stated in this certificate.

MAXIMUM PERMITTED CONCENTRATION IN THE FINAL PRODUCT

IFRA 51 Category	Maximum Level of Use
Category 1	NOT RESTRICTED
Category 2	NOT RESTRICTED



AROMOLGY

IFRA 51 Category	Maximum Level of Use
Category 3	NOT RESTRICTED
Category 4	NOT RESTRICTED
Category 5A	NOT RESTRICTED
Category 5B	NOT RESTRICTED
Category 5C	NOT RESTRICTED
Category 5D	NOT RESTRICTED
Category 6	NOT RESTRICTED
Category 7A	NOT RESTRICTED
Category 7B	NOT RESTRICTED
Category 8	NOT RESTRICTED
Category 9	NOT RESTRICTED
Category 10A	NOT RESTRICTED
Category 10B	NOT RESTRICTED
Category 11A	NOT RESTRICTED
Category 11B	NOT RESTRICTED
Category 12	NOT RESTRICTED

The supplied certificate reports Not Restricted for every IFRA category from Category 1 through Category 12.

CATEGORY 4 – FINE FRAGRANCE

MAXIMUM USE LEVEL: NOT RESTRICTED

Under the supplied IFRA 51 Certificate, Zenolide is not subject to a specified IFRA maximum concentration restriction for Category 4.

This category includes fine-fragrance applications such as:

Parfum • Extrait de Parfum • Eau de Parfum • Eau de Toilette • Cologne

IFRA 51 STATUS: NOT RESTRICTED

“Not Restricted” means that the supplied IFRA certificate does not impose a specific IFRA Standards maximum concentration for this material in Category 4. It should not be interpreted as a recommendation to formulate at 100%.

IFRA RESTRICTED SUBSTANCES

NONE

The supplied certificate specifically states:

The product contains no substances restricted by IFRA Standards and bears no IFRA specification.

Accordingly, no product-specific quantitative restriction arising from an IFRA-restricted



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constituent is stated for Zenolide.

CONDITIONS OF USE

The concentration of a fragrance ingredient should not exceed the usual concentration of the fragrance compound in the finished product.

The designation NOT RESTRICTED means that no maximum concentration has been established for this material under the applicable IFRA Standards based on the restricted materials assessed by the certificate.

It does not replace:

Finished Product Safety Assessment • Toxicological Evaluation • Cosmetic Regulatory Compliance • Good Manufacturing Practice • Local Regulatory Requirements

CATEGORIES 1 AND 6 – INCIDENTAL ORAL EXPOSURE

The supplied certificate reports both:

Category 1 – NOT RESTRICTED

Category 6 – NOT RESTRICTED

However, because of the possibility of incidental oral ingestion associated with products in Categories 1 and 6, the source certificate states that an approved flavour-material status as defined by the IOFI Code of Practice is required.

This IFRA certificate does not include that conformity assessment.

A separate document is required where confirmation of flavour-material status is necessary.

SAFETY ASSESSMENT

This certificate provides information concerning restrictions applicable to Zenolide based on materials restricted by the IFRA Standards.

It does not constitute certification of a comprehensive safety assessment of all constituents.

The manufacturer of the finished product remains responsible for ensuring the safety and regulatory compliance of the final formulation and for undertaking additional testing where required.



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DECLARATION

We hereby declare that:

ZENOLIDE

Chemical Name: Ethylene Dodecanedioate

CAS Number: 54982-83-1

EC Number: 259-423-6

is in compliance with the International Fragrance Association (IFRA) Standards up to and including the 51st Amendment.

Based on the supplied product-specific IFRA certificate:

IFRA CATEGORIES 1–12: NOT RESTRICTED

The material is reported as containing no substances restricted by IFRA Standards and bearing no IFRA specification.

This declaration relates specifically to compliance with the IFRA Standards and does not replace a comprehensive safety assessment of the finished product.

Authorised by:

Fozia Khot

Director