



EU ALLERGEN DECLARATION CERTIFICATE

In accordance with Regulation (EC) No. 1223/2009 (as amended) – Annex III (EU Cosmetic Regulation)

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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

REGULATORY BASIS

This declaration provides fragrance allergen information with reference to:
Regulation (EC) No. 1223/2009 on Cosmetic Products – Annex III
The applicable finished-product labelling thresholds stated in the source document are:

Finished Product Type	Labelling Threshold
Leave-On Products	10 ppm (0.001%)
Rinse-Off Products	100 ppm (0.01%)

EU FRAGRANCE ALLERGEN STATUS

NO EU FRAGRANCE ALLERGENS DETECTED

Based on the supplied product-specific declaration for:
ETHYLENE DODECANEDIOATE / ZENOLIDE



all evaluated EU fragrance allergens are reported as:
NOT DETECTED

Detection Limit: 10 ppm

The source declaration identifies the tested product as Ethylene Dodecanedioate.

EU FRAGRANCE ALLERGEN DECLARATION

Fragrance Allergen / Grouping Name	CAS Number(s)	Result
3-Propylidenephthalide	17369-59-4	Not Detected
6-Methyl Coumarin	92-48-8	Not Detected
Acetyl Cedrene	32388-55-9	Not Detected
Alpha-Isomethyl Ionone	127-51-5	Not Detected
Alpha-Terpinene	99-86-5	Not Detected
Amyl Cinnamal	122-40-7	Not Detected
Amyl Salicylate	2050-08-0	Not Detected
Amylcinnamyl Alcohol	101-85-9	Not Detected
Anethole	104-46-1 / 4180-23-8	Not Detected
Anise Alcohol	105-13-5	Not Detected
Benzaldehyde	100-52-7	Not Detected
Benzyl Alcohol	100-51-6	Not Detected
Benzyl Benzoate	120-51-4	Not Detected
Benzyl Cinnamate	103-41-3	Not Detected
Benzyl Salicylate	118-58-1	Not Detected
Beta-Caryophyllene	87-44-5	Not Detected
Camphor	21368-68-3 / 464-48-2 / 464-49-3 / 76-22-2	Not Detected
Cananga Odorata Oil/Extract	68606-83-7 / 8006-81-3 / 83863-30-3 / 93686-30-7	Not Detected
Carvone	2244-16-8 / 6485-40-1 / 99-49-0	Not Detected

These entries are all reported as Not Detected in the source declaration.

Fragrance Allergen / Grouping Name	CAS Number(s)	Result
Cedrus Atlantica Oil/Extract	8023-85-6 / 92201-55-3	Not Detected
Cinnamal	104-55-2	Not Detected
Cinnamomum Cassia Leaf Oil	8007-80-5 / 84961-46-6	Not Detected

Fragrance Allergen / Grouping Name	CAS Number(s)	Result
Cinnamomum Zeylanicum Bark Oil	8015-91-6 / 84649-98-9	Not Detected
Cinnamyl Alcohol	104-54-1	Not Detected
Citral	106-26-3 / 141-27-5 / 5392-40-5	Not Detected
Citronellol	106-22-9 / 1117-61-9 / 26489-01-0 / 7540-51-4	Not Detected
Citrus Aurantium Bergamia Peel Oil	68648-33-9 / 8007-75-8 / 85049-52-1 / 89957-91-5	Not Detected
Citrus Aurantium Amara and Dulcis Flower Oil	72968-50-4 / 8016-38-4 / 8028-48-6	Not Detected
Citrus Aurantium Amara and Dulcis Peel Oil	68916-04-1 / 72968-50-4 / 8008-57-9 / 8028-48-6 / 97766-30-8	Not Detected
Citrus Limon Peel Oil	8008-56-8 / 84929-31-7	Not Detected
Coumarin	91-64-5	Not Detected
Dimethyl Phenethyl Acetate	151-05-3	Not Detected
Eucalyptus Globulus Oil	8000-48-4 / 97926-40-4	Not Detected
Eugenia Caryophyllus Oil	8000-34-8 / 8015-97-2 / 84961-50-2	Not Detected
Eugenol	97-53-0	Not Detected
Eugenyl Acetate	93-28-7	Not Detected
Evernia Furfureacea Extract	90028-67-4	Not Detected
Evernia Prunastri Extract	90028-68-5	Not Detected
Farnesol	4602-84-0	Not Detected
Geraniol	106-24-1	Not Detected

Fragrance Allergen / Grouping Name	CAS Number(s)	Result
Geranyl Acetate	105-87-3	Not Detected
Hexadecanolactone	109-29-5	Not Detected
Hexamethylindanopyran	1222-05-5	Not Detected
Hexyl Cinnamal	101-86-0	Not Detected
Hydroxycitronellal	107-75-5	Not Detected
Isoeugenol	5912-86-7 / 5932-68-3 / 97-54-1	Not Detected
Isoeugenyl Acetate	93-29-8	Not Detected
Jasmine Oil/Extract	8022-96-6 / 8024-43-9 / 84776-64-7 / 90045-94-6	Not Detected
Juniperus Virginiana Oil	8000-27-9 / 85085-41-2	Not Detected
Laurus Nobilis Leaf Oil	8002-41-3 / 8007-48-5 / 84603-73-6	Not Detected
Lavandula Oil/Extract	Multiple Applicable CAS Numbers	Not Detected
Lemongrass Oil	8007-02-1 / 89998-16-3 / 91844-92-7	Not Detected



Fragrance Allergen / Grouping Name	CAS Number(s)	Result
Limonene	138-86-3 / 5989-27-5 / 5989-54-8 / 7705-14-8	Not Detected
Linalool	78-70-6	Not Detected
Linalyl Acetate	115-95-7	Not Detected
Lippia Citriodora Absolute	8024-12-2 / 85116-63-8	Not Detected
Mentha Piperita Oil	8006-90-4 / 84082-70-2	Not Detected
Mentha Viridis Leaf Oil	8008-79-5 / 84696-51-5	Not Detected
Menthol	1490-04-6 / 15356-60-2 / 2216-51-5 / 89-78-1	Not Detected

Fragrance Allergen / Grouping Name	CAS Number(s)	Result
Methyl 2-Octynoate	111-12-6	Not Detected
Methyl Salicylate	119-36-8	Not Detected
Myroxylon Pereirae Oil/Extract	8007-00-9	Not Detected
Narcissus Extract	68917-12-4 / 90064-25-8 / 90064-26-9 / 90064-27-0	Not Detected
Pelargonium Graveolens Oil	8000-46-2 / 90082-51-2	Not Detected
Pinene	127-91-3 / 18172-67-3 / 7785-70-8 / 80-56-8	Not Detected
Pinus Mugo	90082-72-7	Not Detected
Pinus Pumila	97676-05-6	Not Detected
Pogostemon Cablin Oil	8014-09-3 / 84238-39-1	Not Detected
Rose Flower Oil/Extract	Multiple Applicable CAS Numbers	Not Detected
Rose Ketones	Multiple Applicable CAS Numbers	Not Detected
Salicylaldehyde	90-02-8	Not Detected
Santalol	11031-45-1 / 115-71-9 / 77-42-9	Not Detected
Santalum Album Oil	8006-87-9 / 84787-70-2	Not Detected
Sclareol	515-03-7	Not Detected
Terpineol	138-87-4 / 586-81-2 / 8000-41-7 / 98-55-5	Not Detected
Terpinolene	586-62-9	Not Detected

Fragrance Allergen / Grouping Name	CAS Number(s)	Result
Tetramethyl Acetyloctahydronaphthalenes	54464-57-2 / 54464-59-4 / 68155-66-8 / 68155-67-9	Not Detected
Trimethylbenzenepropanol	103694-68-4	Not Detected
Trimethylcyclopentenyl	67801-20-1	Not Detected



Fragrance Allergen / Grouping Name	CAS Number(s)	Result
Methylisopentanol		
Turpentine	8006-64-2 / 8052-14-0 / 9005-90-7	Not Detected
Vanillin	121-33-5	Not Detected

ALLERGEN CONCLUSION

Based on the supplied product-specific EU Fragrance Allergen Declaration:

ZENOLIDE

EU FRAGRANCE ALLERGEN STATUS: NOT DETECTED

No listed fragrance allergens were detected at or above the stated:

DETECTION LIMIT: 10 ppm

This means the supplied declaration does not report any of the evaluated EU fragrance allergens at or above its analytical/reporting threshold.

DECLARATION

We hereby declare that, based on the available product-specific fragrance allergen information for:

ZENOLIDE

Chemical Name: Ethylene Dodecanedioate

CAS Number: 54982-83-1

EC Number: 259-423-6

the fragrance allergens evaluated under Regulation (EC) No. 1223/2009 are reported as:
NOT DETECTED

at the stated detection limit of 10 ppm.

The manufacturer of the finished cosmetic product remains responsible for determining compliance with applicable cosmetic labelling and regulatory requirements.

Authorised by

Fozia Khot

Director

Aromology Trading LLC