



EU ALLERGEN DECLARATION CERTIFICATE

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

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Aldehyde Muguet

Product Identification

Parameter	Details
Product Name	Aldehyde Muguet
Manufacturer Product Name	Muguet Aldehyde 50% DEP®
Manufacturer	International Flavors & Fragrances Inc. – IFF
Principal Aroma Material	Muguet Aldehyde
Chemical Name	[(3,7-Dimethyloct-6-en-1-yl)oxy]acetaldehyde
CAS Number	7492-67-3
Carrier	Diethyl Phthalate – DEP
Carrier CAS Number	84-66-2
Nominal Dilution	50% in DEP
Regulatory Basis	Regulation (EC) No. 1223/2009
Expanded Allergen Regulation	Regulation (EU) 2023/1545

EU Finished-Product Declaration Thresholds

Fragrance allergens listed in Annex III must be individually declared in the finished cosmetic when their cumulative concentration exceeds:

Product Type	Declaration Threshold
Leave-on cosmetic product	0.001% / 10 mg/kg
Rinse-off cosmetic product	0.010% / 100 mg/kg

These thresholds apply to the completed cosmetic product, not to the fragrance raw material by itself.

Raw-Material Assessment

The principal components are:

- Muguet Aldehyde
- Diethyl Phthalate

Based on their stated chemical identities:

- Muguet Aldehyde, CAS 7492-67-3, is not identified in this document as an individually named Annex III fragrance allergen.
- Diethyl Phthalate, CAS 84-66-2, is not an individually named EU fragrance allergen.

This does not establish that the commercial product contains no Annex III allergens, because trace constituents, stabilisers or manufacturing impurities may be present.

A current quantitative IFF allergen declaration is required for a final conclusion.

Traditional EU Fragrance-Allergen Review

Fragrance Allergen	CAS Number	Representative Status
Alpha-Isomethyl Ionone	127-51-5	Not expected from stated principal composition; verify with IFF
Amyl Cinnamal	122-40-7	Not expected from stated principal composition; verify with IFF
Amylcinnamyl Alcohol	101-85-9	Not expected from stated principal composition; verify with IFF
Anise Alcohol	105-13-5	Not expected from stated principal composition; verify with IFF
Benzyl Alcohol	100-51-6	Not expected from stated principal composition; verify with IFF
Benzyl Benzoate	120-51-4	Not expected in the DEP grade; confirm exact commercial grade
Benzyl Cinnamate	103-41-3	Not expected from stated principal composition; verify with IFF
Benzyl Salicylate	118-58-1	Not expected from stated principal composition; verify with IFF
Cinnamal	104-55-2	Not expected from stated principal composition; verify with IFF
Cinnamyl Alcohol	104-54-1	Not expected from stated principal composition; verify with IFF
Citral	5392-40-5	Not expected from stated principal composition; verify with IFF
Citronellol	106-22-9	Not expected from stated principal composition; verify with IFF
Coumarin	91-64-5	Not expected from stated principal composition; verify

		with IFF
Eugenol	97-53-0	Not expected from stated principal composition; verify with IFF
Farnesol	4602-84-0	Not expected from stated principal composition; verify with IFF
Geraniol	106-24-1	Not expected from stated principal composition; verify with IFF
Hexyl Cinnamal	101-86-0	Not expected from stated principal composition; verify with IFF
Hydroxycitronellal	107-75-5	Not the same material as Muguet Aldehyde; verify with IFF
Isoeugenol	97-54-1	Not expected from stated principal composition; verify with IFF
Limonene	5989-27-5	Not expected from stated principal composition; verify with IFF
Linalool	78-70-6	Not expected from stated principal composition; verify with IFF
Methyl 2-Octynoate	111-12-6	Not expected from stated principal composition; verify with IFF
Evernia Prunastri Extract	90028-68-5	Not expected from stated principal composition; verify with IFF
Evernia Furfuracea Extract	90028-67-4	Not expected from stated principal composition; verify with IFF

“Not expected” is based solely on the stated principal composition and must not be interpreted as analytically confirmed absence.

Important Hydroxycitronellal Distinction

Muguet Aldehyde must not automatically be declared as:

Hydroxycitronellal

The two substances have different chemical identities and CAS numbers.

Substance	CAS Number
Muguet Aldehyde	7492-67-3
Hydroxycitronellal	107-75-5

The floral or muguet odour description does not make the material hydroxycitronellal for EU ingredient-labelling purposes.

Exact Commercial Grade Verification

IFF may supply different diluted grades of the aroma material.

The exact product must be verified as:

Muguet Aldehyde 50 DEP

and not a grade diluted in:

- Benzyl benzoate
- Isopropyl myristate
- Another solvent or carrier

This distinction is important because a benzyl-benzoate grade would contribute **Benzyl Benzoate**, an individually declarable EU fragrance allergen.

Expanded EU 2023/1545 Assessment

The current IFF declaration must be reviewed for all additional allergens introduced under Regulation (EU) 2023/1545.

The assessment must include any relevant:

- Terpene derivatives
- Aromatic alcohols
- Aromatic aldehydes
- Aromatic esters
- Oxidation products
- Stabiliser constituents
- Trace impurities
- Grouped natural complex substances

No expanded-allergen-free claim is supported without the current manufacturer declaration.

Skin Sensitisation Versus EU Allergen Labelling

The product may be classified as a skin sensitizer under CLP or GHS.

This does not automatically mean that the sensitising component is an individually named EU Annex III fragrance allergen.

The following assessments are separate:

1. Hazard classification under CLP or GHS
2. IFRA conformity
3. EU fragrance-allergen labelling

Cosmetic product safety assessment

A substance can be a skin sensitiser without being subject to individual Annex III fragrance-allergen declaration.

Stabiliser and Trace-Component Review

Before formal issue, obtain confirmation of:

- Stabiliser or antioxidant identity
- Stabiliser concentration
- CAS number
- Annex III status
- Trace fragrance allergens
- Manufacturing impurities
- Current IFF quantitative declaration

No zero-allergen claim should be made solely from the principal composition.

Cumulative Formula Assessment

The finished-product manufacturer must combine allergen contributions from:

- Aldehyde Muguet 50% DEP
- Other aroma chemicals
- Essential oils
- Absolutes
- Botanical extracts
- Fragrance bases
- Preservatives
- Antioxidants
- Solvents
- Functional ingredients
- All other formula components

The same allergen must be added cumulatively from every source.

Representative Declaration Summary

Requirement	Status
Muguet Aldehyde itself identified as an individually named EU fragrance allergen	No, based on stated identity
DEP identified as an EU fragrance allergen	No
Hydroxycitronellal declaration automatically required	No

Benzyl Benzoate expected in confirmed DEP grade	No, but exact grade must be verified
Traditional EU allergen-free status confirmed by IFF	Not verified
Expanded EU 2023/1545 status confirmed by IFF	Not verified
Current quantitative IFF declaration required	Yes
Finished-product calculation required	Yes
Cumulative formula calculation required	Yes
Allergen-free claim supported by this template	No
Final label decision	Cosmetic manufacturer / EU Responsible Person

Conditional Declaration

Based on the stated principal composition:

No individually named EU fragrance allergen is expected to arise directly from Muguet Aldehyde or the DEP carrier.

However, a final declaration of “none,” “zero” or “allergen-free” cannot be issued without the current quantitative IFF allergen declaration covering:

- Exact commercial product code
- Exact carrier
- Stabiliser system
- Trace constituents
- Manufacturing impurities
- Regulation (EU) 2023/1545

Disclaimer

This EU Fragrance Allergen Declaration is a representative supplier-style template. It is not the original IFF quantitative allergen declaration and is not evidence of batch-specific analytical testing.

Before formal issue, verify against:

- Current IFF quantitative allergen declaration
- Exact IFF product code and carrier
- Original batch Certificate of Analysis
- Current IFF Safety Data Sheet
- Regulation (EC) No. 1223/2009
- Regulation (EU) 2023/1545
- Current consolidated Annex III
- Complete finished-product formula



The cosmetic manufacturer or EU Responsible Person remains responsible for cumulative calculations, ingredient-list labelling and finished-product compliance.

Authorised by:
Fozia Khot
Director