



EU ALLERGEN DECLARATION CERTIFICATE

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

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Product Identification

Parameter	Details
Product Name	Nootkatone Crystals
Chemical Name	(+)-Nootkatone
INCI Name	Nootkatone
CAS Number	4674-50-4
EC Number	225-124-4
Molecular Formula	C ₁₅ H ₂₂ O
Representative Purity	Minimum 98.0%
Product Type	Natural Aroma Chemical

REGULATORY BASIS

This declaration has been prepared with reference to:

- Regulation (EC) No. 1223/2009 on cosmetic products
- Annex III of Regulation (EC) No. 1223/2009
- Commission Regulation (EU) 2023/1545
- The fragrance-allergen declaration thresholds applicable to leave-on and rinse-off cosmetic products

Regulation (EU) 2023/1545 requires individual labelling of listed fragrance allergens where their concentration exceeds 0.001% in leave-on products or 0.01% in rinse-off products.

DECLARATION

Nootkatone, CAS 4674-50-4, is not individually listed as a declarable fragrance allergen under the fragrance-allergen entries introduced or updated by Regulation (EU) 2023/1545.

Accordingly, Nootkatone itself does not require separate allergen declaration under Annex III solely because it is present in a cosmetic fragrance composition.

The material is nevertheless supplied at a minimum purity of 98%. Any residual constituents or process impurities must be assessed using the actual batch-specific analytical profile.

EU ALLERGEN STATUS

Assessment	Status
Nootkatone listed as an Annex III fragrance allergen	No
Nootkatone subject to the 0.001%/0.01% allergen labelling threshold	No
Listed fragrance allergens intentionally added	None
Carrier oil or fragrance compound added	None
Potential trace impurities	Batch dependent
Batch-specific quantitative allergen analysis supplied	No
Representative declaration result	No declarable EU fragrance allergens expected

REPRESENTATIVE ANNEX III ALLERGEN REVIEW

Fragrance Allergen	CAS Number	Representative Status
Alpha-Isomethyl Ionone	127-51-5	Not intentionally added
Amyl Cinnamal	122-40-7	Not intentionally added
Amylcinnamyl Alcohol	101-85-9	Not intentionally added
Anisyl Alcohol	105-13-5	Not intentionally added
Benzyl Alcohol	100-51-6	Not intentionally added
Benzyl Benzoate	120-51-4	Not intentionally added
Benzyl Cinnamate	103-41-3	Not intentionally added
Benzyl Salicylate	118-58-1	Not intentionally added
Cinnamal	104-55-2	Not intentionally added
Cinnamyl Alcohol	104-54-1	Not intentionally added
Citral	5392-40-5	Not intentionally added
Citronellol	106-22-9	Not intentionally added

Coumarin	91-64-5	Not intentionally added
Eugenol	97-53-0	Not intentionally added
Farnesol	4602-84-0	Not intentionally added
Geraniol	106-24-1	Not intentionally added
Hexyl Cinnamal	101-86-0	Not intentionally added
Hydroxycitronellal	107-75-5	Not intentionally added
Isoeugenol	97-54-1	Not intentionally added
Limonene	5989-27-5 / 138-86-3	Not intentionally added
Linalool	78-70-6	Not intentionally added
Methyl 2-Octynoate	111-12-6	Not intentionally added
Oakmoss Extract	90028-68-5	Not intentionally added
Treemoss Extract	90028-67-4	Not intentionally added

PURITY-RELATED LIMITATION

The product specification permits up to 2% combined related substances and minor impurities.

Without a batch-specific impurity or allergen analysis, this declaration confirms only that:

- No Annex III fragrance allergens are intentionally added.
- Nootkatone itself is not an individually declarable EU fragrance allergen.
- Declarable allergens are not expected at reportable concentrations in a conforming high-purity batch.
- Trace impurities cannot be quantitatively excluded without batch-specific analytical data.

A commercial Nootkatone product meeting a minimum 98% assay is also described by its supplier as having no known fragrance allergens.

FINISHED COSMETIC PRODUCT RESPONSIBILITY

The manufacturer or Responsible Person for the finished cosmetic product must:

1. Confirm the actual raw-material batch composition.
2. Calculate allergen contributions from all fragrance ingredients.
3. Apply the relevant Annex III ingredient names.
4. Declare listed allergens above:
 - **0.001% in leave-on products**

- 0.01% in rinse-off products
5. Complete the Cosmetic Product Safety Report.
 6. Maintain the Product Information File.
 7. Ensure compliance with all destination-market legislation.

CONCLUSION

Based on the available information:

- Nootkatone is not an EU Annex III declarable fragrance allergen.
- No listed fragrance allergens are intentionally added to Nootkatone Crystals – Natural.
- No declarable EU fragrance allergens are expected in a conforming high-purity product.
- Exact trace-level confirmation requires a batch-specific chromatographic or allergen analysis.

This declaration is based on representative product specifications and is not a substitute for a batch-specific quantitative allergen certificate.

AUTHORISED BY

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