



EU ALLERGEN DECLARATION CERTIFICATE

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

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Cuminylnitrile

Product Identification

Item	Details
Product Name	Cuminylnitrile
Manufacturer	Synarome
Chemical Name	4-Isopropylbenzonitrile
Alternative Name	p-Isopropylbenzonitrile
CAS Number	13816-33-6
Molecular Formula	C ₁₀ H ₁₁ N
Molecular Weight	145.20 g/mol
Product Type	Synthetic Aroma Chemical

EU Fragrance Allergen Status

Based on its chemical identity and currently applicable EU cosmetic fragrance-allergen provisions:

Cuminylnitrile itself is not an individually declarable EU fragrance allergen.

CAS 13816-33-6 is not identified as one of the individually labelled fragrance allergens under the applicable Annex III fragrance-allergen labelling provisions.

Cuminylnitrile is a synthetic aroma chemical rather than a natural complex substance such as an essential oil or absolute.



Representative EU Allergen Assessment

EU Declarable Fragrance Allergen	Expected Status
Alpha-Isomethyl Ionone	Not expected
Amyl Cinnamal	Not expected
Amyl Salicylate	Not expected
Amylcinnamyl Alcohol	Not expected
Anethole	Not expected
Anise Alcohol	Not expected
Benzaldehyde	Not expected
Benzyl Alcohol	Not expected
Benzyl Benzoate	Not expected
Benzyl Cinnamate	Not expected
Benzyl Salicylate	Not expected
Camphor	Not expected
Cinnamal	Not expected
Cinnamyl Alcohol	Not expected
Citral	Not expected
Citronellol	Not expected
Coumarin	Not expected
Eugenol	Not expected
Farnesol	Not expected
Geraniol	Not expected
Hexyl Cinnamal	Not expected
Hydroxycitronellal	Not expected
Isoeugenol	Not expected
Limonene	Not expected
Linalool	Not expected
Menthol	Not expected
Methyl 2-Octynoate	Not expected
Evernia prunastri Extract	Not expected
Evernia furfuracea Extract	Not expected

Expanded EU Fragrance Allergens

Commission Regulation (EU) 2023/1545 expanded the number of fragrance allergens requiring individual labelling in cosmetic products.

Based on the identity:

4-Isopropylbenzonitrile – CAS 13816-33-6



Cuminy Nitrile itself is not identified as one of these individually declarable fragrance allergens.

Raw Material Allergen Declaration

Parameter	Declaration
Cuminy Nitrile	Principal Component
CAS 13816-33-6	Confirmed
Synthetic Aroma Chemical	Yes
Natural Essential Oil	No
Botanical Extract	No
EU Declarable Allergen Itself	No
Intentionally Added EU Fragrance Allergens	None declared
Quantitative Batch Allergen Analysis	Manufacturer declaration required

Important Qualification

The designation “Not Expected” should not be interpreted as laboratory confirmation of absolute zero concentration.

Commercial aroma chemicals can potentially contain trace amounts of:

- Starting materials
- Manufacturing intermediates
- Process impurities
- Residual solvents
- Stabilising agents
- Manufacturing by-products

Therefore, for formal regulatory submissions requiring quantitative values, the current Synarome quantitative allergen declaration should take precedence.

Finished Cosmetic Declaration Thresholds

Where an individually declarable fragrance allergen is contributed by Cuminy Nitrile or any other raw material, declaration in the finished cosmetic is required when the concentration exceeds:

Finished Cosmetic Product	Declaration Threshold
Leave-on Products	0.001%
Rinse-off Products	0.01%

The contribution of each allergen from all ingredients in the complete formulation must be calculated cumulatively.



Finished Product Assessment

The responsible cosmetic manufacturer must evaluate the complete formula, including:

- Cuminyl Nitrile
- Other synthetic aroma chemicals
- Essential oils
- Absolutes
- Botanical extracts
- Fragrance bases
- Solvents
- Carriers
- Preservatives
- Antioxidants
- Trace impurities
- Cumulative fragrance-allergen contribution

Declaration

Based on the available chemical and regulatory information:

- Cuminyl Nitrile is 4-Isopropylbenzonitrile.
- CAS Number: 13816-33-6.
- Molecular Formula: $C_{10}H_{11}N$.
- Molecular Weight: 145.20 g/mol.
- It is a synthetic aroma chemical.
- Cuminyl Nitrile itself is not identified as an individually declarable EU fragrance allergen.
- No intentionally added EU fragrance allergens are declared in this representative assessment.
- A blanket "allergen-free" claim is not made.
- The current Synarome quantitative allergen declaration should take precedence for formal regulatory/customer submissions.
- Finished cosmetic labelling must be determined from the complete formulation.
- The cosmetic manufacturer or EU Responsible Person remains responsible for final compliance.

This declaration applies only to the identified raw material and does not certify a finished perfume or cosmetic product.

Authorised by
Fozia Khot
Director
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