



EU ALLERGEN DECLARATION CERTIFICATE

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

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BLUE LOTUS SEED ESSENTIAL OIL

PRODUCT IDENTIFICATION

Parameter	Details
Product Name	Blue Lotus Seed Essential Oil
Botanical Name	Nymphaea caerulea
Plant Part	Seeds
Extraction Method	Supercritical CO ₂ Extraction
Country of Origin	India
CAS Number	Not Assigned / Not Available
EC Number	Not Assigned / Not Available
Material Type	Natural Complex Botanical Extract
Regulatory Basis	Regulation (EC) No. 1223/2009
Expanded Framework	Regulation (EU) 2023/1545

EU ALLERGEN STATUS

Nymphaea caerulea Seed CO₂ Extract is not itself an individually named EU fragrance allergen.

However, because it is a Natural Complex Substance, the regulatory question is whether the extract naturally contains individually declarable fragrance allergens.

For this specific seed-derived CO₂ extract, I could not locate a validated quantitative manufacturer allergen analysis.

Therefore, I would not declare all EU allergens as 0.0000%.



TRADITIONAL EU FRAGRANCE ALLERGEN DECLARATION

EU Fragrance Allergen	Status
Alpha-Isomethyl Ionone	Not established / not identified
Amyl Cinnamal	Not established / not identified
Amylcinnamyl Alcohol	Not established / not identified
Anise Alcohol	Not established / not identified
Benzyl Alcohol	See important note below
Benzyl Benzoate	Not established / not identified
Benzyl Cinnamate	Not established / not identified
Benzyl Salicylate	Not established / not identified
Cinnamal	Not established / not identified
Cinnamyl Alcohol	Not established / not identified
Citral	Not established / not identified
Citronellol	Not established / not identified
Coumarin	Not established / not identified
Eugenol	Not established / not identified
Farnesol	Not established / not identified
Geraniol	Not established / not identified
Hexyl Cinnamal	Not established / not identified
Hydroxycitronellal	Not established / not identified
Isoeugenol	Not established / not identified
Limonene	Not established / not identified
Linalool	Not established / not identified
Methyl 2-Octynoate	Not established / not identified
Evernia Prunastri Extract	Not identified
Evernia Furfuracea Extract	Not identified

IMPORTANT – BENZYL ALCOHOL

This requires particular care.

Published research on authentic *Nymphaea caerulea* flower extracts found benzyl alcohol at approximately 7.58% in concrete and 10.46% in absolute. Benzyl alcohol is an individually declarable EU fragrance allergen.

But those results are for flower concrete and flower absolute, not your seed CO₂ extract.

Therefore, I would not put 7.58%, 10.46%, or 0.00% Benzyl Alcohol on your client's certificate.

For the seed product, use:



BENZYL ALCOHOL: NOT DETERMINED – SEED-SPECIFIC QUANTITATIVE ANALYSIS NOT AVAILABLE

That is much safer than assuming the seed has the same composition as the flower.

OTHER PUBLISHED BLUE LOTUS CONSTITUENTS

Authentic flower extracts have also been reported to contain compounds including benzyl acetate, p-anisyl alcohol, farnesene, pentadecane, tetradecanol, fatty acids and phytosterols.

Again, these findings must not be represented as the quantitative composition of the seed CO₂ extract.

EXPANDED EU ALLERGEN FRAMEWORK

Under Regulation (EU) 2023/1545, additional fragrance allergens are subject to individual labelling requirements.

For this material:

BLUE LOTUS SEED CO₂ EXTRACT ITSELF IS NOT AN INDIVIDUALLY NAMED EU FRAGRANCE ALLERGEN.

However:

THE PRESENCE AND CONCENTRATION OF INDIVIDUALLY DECLARABLE ALLERGEN CONSTITUENTS HAS NOT BEEN QUANTITATIVELY ESTABLISHED FOR THIS SPECIFIC SEED CO₂ EXTRACT.

EU ALLERGEN SUMMARY

Parameter	Declaration
Blue Lotus Seed Extract itself an individually listed EU allergen	No
Specific CAS assigned	No
Traditional allergen quantitative analysis available	No
Expanded allergen quantitative analysis available	No
Benzyl Alcohol	Not determined for seed extract
Limonene	Not determined / not identified
Linalool	Not determined / not identified
Citral	Not determined / not identified
Geraniol	Not determined / not identified
Citronellol	Not determined / not identified
Eugenol	Not determined / not identified
Coumarin	Not determined / not identified
Quantitative allergen certificate	Seed-specific analysis required



EU COSMETIC LABELLING THRESHOLDS

Where an individually declarable fragrance allergen is present in the **finished cosmetic product** above:

Product Type	Threshold
Leave-on products	0.001% / 10 ppm
Rinse-off products	0.010% / 100 ppm

FORMAL EU ALLERGEN DECLARATION

Based on the available information:

BLUE LOTUS SEED ESSENTIAL OIL

BOTANICAL NAME: *Nymphaea caerulea*

PLANT PART: SEEDS

EXTRACTION: SUPERCRITICAL CO₂

CAS NUMBER: NOT ASSIGNED / NOT AVAILABLE

is not itself identified as an individually declarable fragrance allergen under Regulation (EC) No. 1223/2009 or Regulation (EU) 2023/1545.

However, this material is a Natural Complex Substance, and a quantitative EU allergen analysis specifically for the seed-derived CO₂ extract is not currently available.

Accordingly:

NO CLAIM OF "0.0000%" SHOULD BE MADE FOR INDIVIDUAL EU FRAGRANCE ALLERGENS WITHOUT SEED-SPECIFIC ANALYTICAL DATA.

DISCLAIMER

This declaration is based on the identity of the supplied material and available scientific information. It is not a laboratory quantitative allergen analysis. Published flower-extract composition has deliberately not been transferred to the seed CO₂ extract, because research shows substantial compositional variability among Blue Lotus extracts and commercial products.

Authorised by

Fozia Khot
Director