



EU ALLERGEN DECLARATION CERTIFICATE

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

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Zanthoxylum Organic Essential Oil

PRODUCT INFORMATION

Product Name: Zanthoxylum Organic Essential Oil
Botanical Name: *Zanthoxylum armatum* D.C.
CAS Number: 91770-90-0

Country of Origin: Nepal
Extraction Method: Steam Distillation
Product Type: Natural Essential Oil / Perfumery Raw Material

FRAGRANCE ALLERGEN INFORMATION

A product-specific allergen declaration for Organic Zanthoxylum Essential Oil (*Zanthoxylum armatum*) reports the following naturally occurring fragrance allergens.

Fragrance Allergen	CAS Number	Natural	Synthetic	Total
Benzyl Alcohol	100-51-6	0.2000%	–	0.2000%
Citral	5392-40-5	0.2000%	–	0.2000%
d-Limonene	5989-27-5	40.0000%	–	40.0000%
Geraniol	106-24-1	0.5000%	–	0.5000%
Linalool	78-70-6	55.0000%	–	55.0000%

These percentages are reported by the organic Zanthoxylum allergen declaration as natural constituents, with no synthetic contribution reported.



OTHER LISTED FRAGRANCE ALLERGENS

The same declaration reports no stated concentration for the following:

Allergen	CAS Number	Reported Status
Hydroxyisohexyl 3-Cyclohexene Carboxaldehyde	31906-04-4	Not reported
Amyl Cinnamyl Alcohol	101-85-9	Not reported
Amyl Cinnamal	122-40-7	Not reported
Hexyl Cinnamal	101-86-0	Not reported
Alpha-Isomethyl Ionone	127-51-5	Not reported
Anisyl Alcohol	105-13-5	Not reported
Benzyl Benzoate	120-51-4	Not reported
Benzyl Cinnamate	103-41-3	Not reported
Benzyl Salicylate	118-58-1	Not reported
Cinnamal	104-55-2	Not reported
Cinnamyl Alcohol	104-54-1	Not reported
Coumarin	91-64-5	Not reported
Citronellol	106-22-9	Not reported
Eugenol	97-53-0	Not reported
Farnesol	4602-84-0	Not reported
Hydroxycitronellal	107-75-5	Not reported
Isoeugenol	97-54-1	Not reported
Methyl 2-Octynoate	111-12-6	Not reported
Butylphenyl Methylpropional	80-54-6	Not reported

This follows the supplied organic Zanthoxylum allergen declaration rather than assuming unreported substances are analytically confirmed at exactly 0%.

EU COSMETIC LABELLING THRESHOLDS

For individually declarable fragrance allergens, the concentration in the **finished cosmetic product** must be considered.

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

Because Zanthoxylum Organic Essential Oil contains substantial naturally occurring Limonene and Linalool, these concentrations must be calculated according to the percentage of Zanthoxylum oil incorporated into the final cosmetic formulation.



DECLARATION

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

ZANTHOXYLUM ORGANIC ESSENTIAL OIL

the following naturally occurring fragrance allergens are reported:

Linalool — 55.0000%

d-Limonene — 40.0000%

Geraniol — 0.5000%

Citral — 0.2000%

Benzyl Alcohol — 0.2000%

The source states that the declaration results from a calculatory analysis of the fragrance formula.

As this is a natural essential oil, constituent concentrations can vary between harvests and batches. Published analyses of Nepalese *Zanthoxylum armatum* confirm substantial natural variation in linalool, limonene and other constituents.

The manufacturer of the finished cosmetic product remains responsible for calculating the final concentration of each fragrance allergen and determining the applicable labelling requirements.

Authorised by

Fozia Khot

Director

Aromology Trading LLC