

IFRA & EU FRAGRANCE ALLERGEN REPORT

IFRA & EU Fragrance Allergen Declaration

Product: Sandalwood Essential Oil – India (Mysore)

Botanical Name: *Santalum album*

INCI: Santalum Album Oil

CAS No.: 8006-87-9 / 84787-70-2

Country of Origin: India

Plant Part: Heartwood

Extraction: Steam Distillation

GC-MS Total Identified: 99.83%

EU Fragrance Allergen Declaration

Under Commission Regulation (EU) 2023/1545, **Santalol** and **Santalum Album Oil** are included in the expanded fragrance-allergen labelling requirements. The declaration thresholds are **0.001% in leave-on products** and **0.01% in rinse-off products**.

Allergen / Relevant Constituent GC-MS Result

Santalum Album Oil	100% raw material
Z- α -Santalol	47.46%
Z- β -Santalol	20.98%
Epi- β -Santalol	3.01%
Santalol Isomer	1.76%
Santalol Isomer	0.88%
Santalol Isomer	0.53%
Santalol Isomer	0.26%
Santalol Isomer	0.23%
Santalol Isomer	0.05%
E,E-Farnesol	Detected – % not provided

Total quantified Santalol constituents/isomers: 75.16%.

Because the supplied GC-MS lists **E,E-Farnesol** without a percentage, its concentration should be stated as **detected/not quantified**, rather than assigning a value.

IFRA Statement

Sandalwood essential oil is a **Natural Complex Substance (NCS)**. IFRA identifies sandalwood oil from *Santalum album* as a wood-derived NCS, and IFRA Standards regulate fragrance ingredients through prohibitions, restrictions and specifications based on their use in finished consumer products.

The supplied GC-MS shows **Z- α -Santalol 47.46%** and **Z- β -Santalol 20.98%** as the two predominant constituents.

IFRA documentation also identifies sandalwood oil (*Santalum album*, CAS 8006-87-9) as a source of santalol.

An IFRA maximum-use percentage for the sandalwood oil itself should not be assigned from this GC-MS alone.

IFRA limits apply according to the finished-product category and applicable restricted constituent(s); therefore, a category-specific IFRA conformity certificate requires the intended IFRA product category.

Declaration

Based on the supplied GC-MS analysis, **Sandalwood Essential Oil – India (Mysore)**, *Santalum album* contains naturally occurring fragrance allergens subject to EU cosmetic fragrance-allergen labelling requirements, principally **Santalol / Santalum Album Oil**.



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