

TECHNICAL DATA SHEET

LOTUS FLOWER

White-floral aquatic fragrance base inspired by lotus blossom, transparent freshness and a soft musky background

1. PRODUCT IDENTIFICATION

Product name	Lotus Flower
Raw material type	Fragrance base / white-floral aquatic base
Olfactory family	Floral / Aquatic / Musk
Odour profile	White lotus, white flowers, mild aquatic tone, soft powdery nuance, gentle musky finish and clean floral freshness
Position in fragrance	Middle note
Application	Fragrance and cosmetic formulations, Asian-inspired compositions, transparent floral waters, floral-musky fragrances and aquatic-floral formulations
Raw material origin	Synthetic
Ingredient category	Cosmetics Collection

2. OLFACTORY CLASSIFICATION AND ODOUR PROFILE

Lotus Flower is a synthetic fragrance base from the Cosmetics Collection, developed to recreate the clean, fresh and transparent odour profile of lotus blossom (*Nelumbo nucifera*).

Its profile is white-floral, mildly aquatic, softly powdery and gently musky. Clean lotus freshness is prominent, while the aquatic nuance provides airiness, lightness and watery transparency. Powdery and musky facets round out the composition and give it a soft, clean and contemporary cosmetic character.

3. FUNCTION IN FRAGRANCE COMPOSITIONS

Lotus Flower functions as a middle note. It contributes clean floral softness, aquatic freshness and a discreet musky finish. It is particularly suitable for formulations intended to convey cleanliness, lightness and serene floral elegance.

4. APPLICATION AND COMPATIBILITY

It is suitable for Asian-inspired floral compositions, lotus accords, transparent floral waters, modern floral-musky fragrances, aquatic-floral compositions, clean and spa formulations, body-care fragrances and light unisex compositions.

It combines well with white musks, aquatic notes, green tea, bamboo, freesia, magnolia, jasmine, peony, white flowers, bergamot, yuzu notes, cucumber, aloe accords, powdery materials and light woody bases. Compatibility is very good with floral, aquatic, musky, powdery, green, tea, citrus and transparent cosmetic accords.

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5. RECOMMENDED USE

Recommended use in fragrances	5-15%
Lotus accords	5-15%
Asian-inspired floral compositions	5-15%
Transparent floral waters	3-12%
Modern floral-musky fragrances	3-10%
Aquatic-floral compositions	3-12%
Clean and spa formulations	2-8%
Cosmetic fragrance formulations	According to the IFRA limit for the relevant product category

The permitted concentration must be checked against the current IFRA certificate for the relevant final product category. Owing to its clean and transparent profile, the base is recommended where a fresh, discreet and elegant floral-aquatic effect is required. At lower levels it provides gentle freshness and a clean floral nuance, while within the recommended range it can create a distinctive lotus accord.

Preliminary testing of compatibility and stability in the final formulation is recommended.

6. PHYSICAL AND TECHNICAL DATA

Appearance	Liquid
Colour	Colourless to very pale yellow
Odour	Floral
Olfactory character	White-floral, clean, mildly aquatic, softly powdery and gently musky, with the freshness characteristic of lotus
Density at 20 °C	0.971-1.010
Refractive index at 20 °C	1.47-1.48
Flash point	70.4 °C
Solubility	Not specified in the supplied TDS document

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7. STABILITY AND COMPATIBILITY

The material is stable when correctly stored under nitrogen and protected from daylight, heat, moisture and contact with air. It is highly compatible with floral, aquatic, musky, powdery, green, tea, citrus and transparent cosmetic accords.

Compatibility and stability must be confirmed in the intended final formulation and packaging.

8. REGULATORY DATA AND STATUS

Intended use: Professional use in fragrance and cosmetic formulations.

Vegan status: Vegan; does not contain ingredients of animal origin.

GMO status: GMO-free; does not contain GMO.

IFRA status: Refer to the current IFRA certificate and apply the restrictions for the relevant product category.

9. STORAGE AND SHELF LIFE

Store under nitrogen at 5-21 °C, protected from daylight, in a dry and well-ventilated area. Keep the container tightly closed and protect the material from heat, moisture and contact with air.

Recommended storage temperature: 5-21 °C.

Shelf life: 24 months under the prescribed storage conditions.

10. SAFETY INFORMATION

For professional use only. The current IFRA certificate and Safety Data Sheet (SDS) must be consulted before use. Avoid direct contact with skin and eyes and use appropriate personal protective equipment.

11. DISCLAIMER

The information in this Technical Data Sheet applies to the raw material described and is based on the supplied technical data. The user is responsible for verifying suitability, stability, safety and regulatory compliance in the intended formulation, application and target market. This document does not constitute regulatory approval or a guarantee of the properties of the final product.