

TECHNICAL DATA SHEET

TUBEROSE FLOWER BASE

Synthetic white-floral perfume base - fresh, green, airy and subtly powdery tuberose character

1. PRODUCT IDENTIFICATION

Product name	Tuberose Flower Base
Raw material type	Perfume base / white-floral base
Olfactory family	Floral / White Floral
Position in perfume	Middle note
Raw material origin	Synthetic
Ingredient category	Base
Inspiration	Freshly picked tuberose flowers (<i>Polianthes tuberosa</i>)
Application	Perfumes, fragrance formulations and fragranced cosmetics

2. OLFACTORY CLASSIFICATION AND ODOUR PROFILE

Tuberose Flower Base is a floral interpretation of tuberose that emphasises the fresh and vivid character of the flower at the moment of picking. Compared with tuberose absolute and classical tuberose bases, it is less creamy and less intense, with greater airiness and freshness.

Its profile combines bright white-floral notes with gentle green nuances and discreet powdery tones. The accord evokes an open, natural tuberose flower while retaining the transparency and lightness required for modern, delicate perfume compositions.

3. FUNCTION IN FRAGRANCE COMPOSITIONS

The base functions primarily as a middle note and creates a fresh, luminous white-floral heart. It contributes natural floral elegance and airiness without the heavy creamy dimension associated with tuberose absolute.

4. APPLICATION AND COMPATIBILITY

Tuberose Flower Base is suitable for white-floral perfumes, summer floral compositions, eaux de toilette, fragranced body waters, body-mist formulations and fragranced cosmetics.

It combines particularly well with jasmine, orange blossom, neroli, white musks, freesia, lily of the valley, ylang-ylang and light citrus notes. It is highly compatible with floral, citrus and musky perfume bases.

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5. RECOMMENDED USE

The recommended concentration in perfume compositions is 0.5-10%. The following typical working ranges should be adjusted to the desired effect, composition and final-product category.

White-floral perfumes	1-10%
Eau de toilette compositions	0.5-8%
Floral body-mist formulations	0.5-5%
Summer perfumes	0.5-5%
Cosmetic fragrance formulations	0.2-3%

Gradual dosing is recommended. At lower concentrations, the base introduces a transparent fresh-floral nuance; at higher concentrations, it may form a clearly defined, airy tuberose accord.

Permitted concentrations must be verified against the current IFRA certificate for the relevant product category. Preliminary compatibility and stability testing is recommended in the intended final formulation.

6. PHYSICAL AND TECHNICAL DATA

Appearance	Liquid
Colour	Not specified in the supplied technical data
Odour	Floral
Olfactory character	Bright white-floral accord with fresh, green and subtly powdery tuberose nuances
Solubility	Soluble in alcohol and perfume bases
Stability	Very good stability in perfume formulations
Compatibility	White-floral, musky and floral accords

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7. STABILITY AND COMPATIBILITY

Tuberose Flower Base has very good stability in perfume formulations when stored under the recommended conditions in the original, tightly closed container, protected from light, air and sources of heat.

It is highly compatible with white flowers, musks, floral accords and light citrus structures. Compatibility and stability should be confirmed in the intended perfume concentrate, carrier system, final formulation and packaging.

8. REGULATORY DATA AND STATUS

Intended use: For professional use in perfume and fragrance formulations.

IFRA status: Use in accordance with current IFRA Standards and the manufacturer's recommendations. Apply all restrictions relevant to the final-product category.

Vegan status: Non-vegan; contains ingredients of animal origin.

GMO status: Not specified in the supplied technical data.

9. STORAGE AND SHELF LIFE

Store in the original, tightly closed container, protected from light, air and sources of heat. Close the container immediately after use.

Recommended storage temperature: Up to 25 °C.

Shelf life: 24 months under the recommended storage conditions.

10. SAFETY INFORMATION

For professional use only. Avoid direct contact with the undiluted product. Refer to the current Safety Data Sheet (SDS) for hazard classification, safe handling, first-aid measures and disposal information.

11. DISCLAIMER

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