

TECHNICAL DATA SHEET

GARDENIA BASE

Synthetic white-floral perfume base - creamy gardenia accord

1. PRODUCT IDENTIFICATION

Product name	Gardenia Base
Raw material type	Perfume base / white floral base
Olfactory family	Floral, white floral
Position in perfume	Middle and base notes
Raw material origin	Synthetic
Ingredient category	Base
Inspiration	Gardenia flower (Gardenia jasminoides)
Application	Perfumes and fragrance formulations

2. OLFACTORY CLASSIFICATION AND ODOUR PROFILE

Gardenia Base is a reconstructed perfume base developed to reproduce the complex olfactory nuances of gardenia flower (Gardenia jasminoides). It has a rich white-floral profile with creamy, mildly lactonic softness. The fragrance lies between jasmine, tuberose and lily of the valley, with a recognisable gardenia note and pleasant creamy sweetness.

3. FUNCTION IN FRAGRANCE COMPOSITIONS

The base functions as a middle and base note, providing creamy floral fullness, sensuality and a rich white-floral character. It is particularly suitable for opulent, tropical and sensual floral compositions and enables the creation of consistent gardenia accords in a standardised and readily usable form.

4. APPLICATION AND COMPATIBILITY

Gardenia Base is suitable for white-floral perfumes, gardenia accords, tropical floral compositions, luxury feminine fragrances, floral-lactonic compositions and opulent floral perfumes.

It combines particularly well with jasmine, tuberose, lily of the valley, orange blossom, ylang-ylang, milky musks, sandalwood and light amber accords.

TECHNICAL DATA SHEET

5. RECOMMENDED USE

The general recommended use level in perfume compositions is 0.5-10%, depending on the desired intensity, composition character and final product category.

White-floral perfumes	1-10%
Gardenia accords	1-8%
Tropical floral compositions	0.5-8%
Floral-lactonic perfumes	0.5-5%
Cosmetic fragrance formulations	0.2-3%

The stated ranges represent typical working concentrations. Compatibility, stability, colour and odour profile should be tested in the intended final formulation. Permitted concentrations must be verified against the current IFRA certificate for the relevant product category.

6. PHYSICAL AND TECHNICAL DATA

Appearance	Liquid
Colour	Colourless to very pale yellow
Odour	Floral
Olfactory character	Creamy white-floral accord with a characteristic gardenia note between jasmine, tuberose and lily of the valley
Density at 20 °C	0.933-0.973
Refractive index at 20 °C	1.471-1.481
Flash point	84.4 °C
Solubility	Soluble in alcohol and perfume bases

TECHNICAL DATA SHEET

7. STABILITY AND COMPATIBILITY

Gardenia Base has very good stability in perfume formulations and is highly compatible with jasmine, tuberose, milky musks and other white-floral accords. Preliminary compatibility and stability testing is recommended in every final formulation, particularly with regard to colour, odour profile and packaging compatibility.

8. REGULATORY DATA AND STATUS

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

IFRA status: Use in the final formulation must comply with the current IFRA standards, the manufacturer's recommendations and any limits applicable to the relevant product category.

Vegan status: Does not contain ingredients of animal origin.

9. STORAGE AND SHELF LIFE

Store at room temperature, in the original, full and hermetically sealed container, protected from air and light. Keep away from sources of heat and close the container immediately after use.

Recommended storage temperature: Up to 25 °C.

Shelf life: 12 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.