

TECHNICAL DATA SHEET

ORANGER FLOWER BASE

Synthetic citrus-floral base - orange blossom, leaf and peel accord

1. PRODUCT IDENTIFICATION

Product name	Oranger Flower Base
Raw material type	Perfume base / citrus-floral base
Olfactory family	Citrus, floral
Position in perfume	Top and middle notes
Raw material origin	Synthetic
Ingredient category	Base
Inspiration	The complete orange tree profile: blossom, leaf and fruit peel
Application	Perfumes and fragrance formulations

2. OLFACTORY CLASSIFICATION AND ODOUR PROFILE

Oranger Flower Base is a synthetic perfume base developed to recreate the complete odour profile of the orange tree. It combines three essential facets: blossom, leaf and fruit peel.

The profile is fresh and citrus-floral, with a soft neroli character and a recognisable green-woody petitgrain nuance. Bright citrus freshness is balanced by the floral softness of orange blossom and the drier aromatic character of the leaf.

3. FUNCTION IN A FRAGRANCE COMPOSITION

The base acts across the top and middle notes. It links a bright citrus opening with the floral heart, while its petitgrain facet adds green, dry and natural depth. Lower levels provide freshness and a floral nuance; higher levels can form a dominant citrus-neroli accord.

4. APPLICATION AND COMPATIBILITY

Oranger Flower Base is suitable for citrus-floral compositions, neroli and petitgrain accords, orange blossom fragrances, fresh Mediterranean perfumes, Cologne compositions, classic structures, modern unisex fragrances and aromatic-citrus formulations.

It blends particularly well with bergamot, lemon, mandarin, grapefruit, neroli, orange blossom, petitgrain, lavender, rosemary, basil, jasmine, white flowers, vetiver, cedarwood, musks and light amber accords. In Mediterranean compositions it adds citrus brightness, floral softness and green-woody depth.

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5. RECOMMENDED USE

General recommended concentration in perfume compositions: 5-20%. The appropriate level depends on the desired intensity, composition and finished-product category.

Citrus-floral compositions	5-20%
Neroli accords	5-15%
Petitgrain accords	3-12%
Fresh Mediterranean compositions	5-20%
Cologne compositions	5-15%
Classic perfumes	3-10%
Aromatic-citrus formulations	3-12%
Cosmetic fragrance formulations	According to the applicable IFRA limits

The listed ranges are typical working levels. Compatibility and stability must be tested in the intended formulation, and permitted concentrations confirmed against the current IFRA certificate.

6. REGULATORY AND STATUS INFORMATION

Intended use: Professional use in perfume and fragrance formulations.

IFRA status: Consult the current IFRA certificate and apply the limits for the relevant product category.

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

GMO status: Not specified in the supplied TDS.

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7. PHYSICAL AND TECHNICAL DATA

Appearance	Liquid
Colour	Light yellow
Odour	Floral
Olfactory character	Fresh citrus-floral profile with neroli, orange peel and green-woody petitgrain nuances
Density at 20 °C	0.901-0.941
Refractive index n _{20/D}	1.472-1.482
Flash point	68.4 °C
Solvent	Isopropyl Myristate
Solubility	Compatible with perfume concentrates, oil phases, esters and lipophilic carriers; insoluble in water

8. STABILITY AND COMPATIBILITY

Stable when stored correctly in the original, tightly closed container. Avoid prolonged exposure to light, heat and air. Compatibility, stability, colour and odour must be evaluated in the intended finished formulation and packaging.

9. STORAGE AND SHELF LIFE

Store at room temperature in the original, tightly closed container, protected from prolonged exposure to light, heat and air. Close the container immediately after use.

Shelf life: 24 months when stored under the recommended conditions.

Antioxidants: Not directly added.

Products intended for ingestion: Not suitable.

10. SAFETY INFORMATION

The product is intended for professional use. Avoid direct contact with the undiluted material. Refer to the current Safety Data Sheet (SDS) for hazard classification, safe handling, first-aid measures and disposal instructions.

11. DISCLAIMER

The information in this technical data sheet relates to the 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 guarantee the properties of the finished product.