

TECHNICAL DATA SHEET

MELON BASE

Synthetic fruity-aquatic perfume base - fresh cantaloupe and honeydew accord

1. PRODUCT IDENTIFICATION

Product name	Melon Base
Raw material type	Perfume base / fruity-aquatic base
Olfactory family	Fruity, aquatic
Position in perfume	Top and middle notes
Raw material origin	Synthetic
Ingredient category	Base
Inspiration	Fresh cantaloupe and honeydew melon
Application	Perfumes, fragrance and cosmetic formulations

2. OLFACTORY CLASSIFICATION AND ODOUR PROFILE

Melon Base is a synthetic perfume base developed to recreate the odour profile of fresh melon. It belongs to the fruity-aquatic type of bases and is intended for compositions requiring a fresh, juicy and summery fruit effect.

Its profile combines fresh melon, a sweet-fruity tone, a mild aquatic nuance and a discreet green aspect. It is reminiscent of cantaloupe and honeydew melon, with pronounced freshness and a transparent fruity character.

3. FUNCTION IN A FRAGRANCE COMPOSITION

The base acts across the top and middle notes, contributing juiciness, freshness and a light aquatic dimension without producing a heavy or overripe fruit effect. It is particularly suitable for fragrance structures intended to feel fresh, summery, clean and modern.

4. APPLICATION AND COMPATIBILITY

Melon Base is suitable for melon accords, summer fruit compositions, fruity-aquatic perfumes, tropical fruit fragrances, fresh unisex compositions, aquatic-citrus accords, floral-fruity perfumes, and fragrances for cosmetic and toiletry products.

It blends particularly well with bergamot, lime, mandarin, grapefruit, cucumber, aquatic and green notes, pear, apple, peach, lychee, jasmine, lily of the valley, freesia, white musks and light woody accords. In fruity compositions it provides characteristic melon freshness and sweet-fruity roundness; in aquatic fragrances it enhances watery freshness, while in floral structures it adds a lighter and juicier expression.

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5. RECOMMENDED USE

Because of its clear and recognisable melon character, gradual dosing is recommended. At lower levels it provides a fresh fruity nuance, while higher levels can build a pronounced and stable melon accord. A specific use range was not provided in the supplied technical data.

Recommended concentration	Not specified in the supplied technical data
Dosing approach	Add gradually according to the required intensity and accord structure
Finished-product use	Verify the current IFRA certificate for the relevant product category

Compatibility, stability, colour and odour profile should be evaluated in the intended finished formulation. The permitted concentration must be confirmed against the current IFRA certificate for the relevant product category.

6. PHYSICAL AND TECHNICAL DATA

Appearance	Liquid
Colour	Colourless to pale yellow
Odour	Fruity
Olfactory character	Fresh, sweet-fruity and mildly aquatic, with melon and subtle green nuances
Density at 20 °C	0.951-0.991
Refractive index at 20 °C	1.440-1.450
Flash point	26.2 °C
Solvent	Triethyl citrate
Solubility	Not specified in the supplied TDS
Stability	Stable under the recommended storage conditions
Compatibility	Fruity, aquatic, green, citrus, tropical, floral, musky and light woody accords

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7. STABILITY

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

8. REGULATORY AND STATUS INFORMATION

Intended use: Professional use in perfume and fragrance formulations.

IFRA status: Consult the current IFRA certificate and apply the restrictions specified for the relevant finished-product category.

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

GMO status: Not specified in the supplied TDS.

Antioxidants: Not directly added.

Products intended for ingestion: Not suitable.

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: 12 months when stored under the recommended conditions.

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.