

TECHNICAL DATA SHEET

LEMON YELLOW BASE

Synthetic citrus perfume base - fresh yellow lemon and sparkling peel accord

1. PRODUCT IDENTIFICATION

Product name	Lemon Yellow Base
Raw material type	Perfume base / citrus base
Olfactory family	Citrus, fresh, terpenic
Position in perfume	Top note
Raw material origin	Synthetic
Ingredient category	Base
Inspiration	Fresh yellow lemon with a sparkling peel character
Application	Perfumes, fragrance and cosmetic formulations

2. OLFACTORY CLASSIFICATION AND ODOUR PROFILE

Lemon Yellow Base is a synthetic perfume base from the citrus olfactory family, developed to recreate the fresh, bright and clearly recognisable odour of yellow lemon. It is intended for formulations requiring an accessible, stable and technically reliable lemon accord.

Its odour profile is fresh, bright and citrusy, with notes of fresh yellow lemon, sparkling lemon peel and a mild terpenic-citrus nuance. The composition has a clean, energetic and refreshing character, suitable for perfume openings, Cologne structures and fresh summer fragrance formulations.

3. FUNCTION IN A FRAGRANCE COMPOSITION

Lemon Yellow Base functions as a top note. It provides an immediate effect of lemon freshness, enhances the perception of cleanliness and gives the composition a brighter, livelier and more transparent character. It is particularly useful where a natural-smelling, clear and readily recognisable citrus signature is required.

4. APPLICATION AND COMPATIBILITY

The base is suitable for lemon accords, citrus compositions, Cologne structures, fresh summer fragrances, citrus-aromatic perfumes, floral-citrus compositions, cosmetic fragrance formulations, and clean and refreshing scents.

It blends particularly well with bergamot, lime, grapefruit, orange, petitgrain, neroli, lavender, lavandin, rosemary, sage, basil, green notes, aldehydes, white musks and light woody bases. In Cologne structures it connects citrus freshness with aromatic, green and musky notes.

TECHNICAL DATA SHEET

5. RECOMMENDED USE

A general recommended concentration was not specified in the supplied technical data. The following typical levels are formulation guidelines. At lower levels the base provides lemon freshness and citrus lift, while at higher levels it can form a dominant yellow-lemon accord.

Lemon accords	3-15%
Citrus compositions	2-12%
Cologne structures	2-10%
Fresh summer fragrances	2-10%
Citrus-aromatic compositions	1-8%
Floral-citrus fragrances	1-6%
Cosmetic fragrance formulations	According to the applicable IFRA category

The permitted concentration in the finished product must be verified against the current IFRA certificate for the relevant product category. Preliminary compatibility, stability, colour and odour-profile testing is recommended in the intended finished formulation.

6. PHYSICAL AND TECHNICAL DATA

Appearance	Liquid
Colour	Bright yellow
Odour	Citrus
Olfactory character	Fresh, lemony, bright, terpenic and sparkling
Density at 20 °C	0.883-0.923
Flash point	60.6 °C
Solubility	Not specified in the supplied TDS
Stability	Stable under the recommended storage conditions
Compatibility	Citrus, Cologne, aromatic, green, herbal, floral-citrus, musky and fresh accords

TECHNICAL DATA SHEET

7. STABILITY

Stable when stored correctly in the original, full and hermetically sealed container, protected from air and light. Because of its fresh, terpenic-citrus and volatile character, minimise headspace and close the container immediately after use.

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: GMO-free; does not contain genetically modified organisms.

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 tightly when not in use.

Shelf life: 24 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.