

TECHNICAL DATA SHEET

ETHYL LINALOOL

Synthetic terpene alcohol with a transparent fresh-floral character

1. RAW MATERIAL IDENTIFICATION

Product name	Ethyl Linalool
Chemical name	3,7-Dimethylnona-1,6-dien-3-ol
INCI name	ETHYL LINALOOL
CAS number	10339-55-6
Molecular formula	$C_{11}H_{20}O$
Molecular weight	168.28 g/mol
Chemical group	Terpene alcohol
Raw material type	Synthetic aroma chemical
Origin	Synthetic
Geographical origin	China
Raw material category	Synthetic aroma chemical
ISO 16128	0% natural origin



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2. OLFACTORY CLASSIFICATION AND ODOUR PROFILE

Olfactory family: Floral / Citrus / Aromatic.

Position in perfume: Middle note with a pronounced contribution to the top part of the composition.

Odour profile: Fresh, transparent and elegantly floral, with subtle citrus nuances, notes of fresh white flowers and a mild rosewood character.

Olfactory character: Clean, bright and transparent floral character with mild citrus freshness and a subtle woody-aromatic nuance.

3. DESCRIPTION AND FUNCTION IN FRAGRANCE COMPOSITIONS

Ethyl Linalool is a synthetic aroma chemical and an ethylated derivative of linalool, developed to provide a finer, more transparent and less terpenic floral character. Its odour is fresh, clean and elegant, with a mild citrus nuance and a clear floral tone recalling fresh white flowers.

Compared with linalool, Ethyl Linalool is softer, more refined and less sharp. Its terpenic aspect is more subdued, while floral transparency and citrus brightness are more pronounced. A subtle rosewood nuance adds a natural and rounded dimension.

In fragrance compositions it functions primarily as a middle note, although its freshness also contributes significantly to the transition from top to middle notes. It is particularly suitable for modern floral fragrances requiring a light, airy and clean structure without excessive sweetness or weight.

Functional role in perfumery: Fresh-floral middle-note material, modifier of white-floral and citrus accords, and linking component that increases transparency between the citrus opening and floral heart.

4. APPLICATION AND OLFACTORY COMPATIBILITY

Recommended for the creation and modification of:

- modern fresh floral compositions;
- white-floral accords with jasmine and lily of the valley;
- light feminine and modern unisex fragrances;
- cologne and citrus-floral accords;
- transparent floral structures;
- fresh aldehydic and clean-musky compositions;
- fragrances for perfumes and cosmetic products.

It combines well with jasmine, lily of the valley, neroli and other white-floral materials, as well as bergamot, lemon, linalool, linalyl acetate, clean musks, fresh aldehydes and light woody components.

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5. RECOMMENDED USE

Use in perfumery	Fresh floral middle notes; linking of citrus and floral accords; increasing the transparency of modern fragrance compositions
Typical concentration	No specific recommended dosage range is stated in the supplied TDS
Dosage guidance	Determine according to the desired intensity, olfactory profile and overall structure of the fragrance composition
IFRA note	No specific IFRA status is stated in the supplied TDS; verify the current IFRA certificate and any restrictions for the relevant finished-product category

The dosage guidance is a formulation recommendation and does not represent a regulatory maximum. Suitability must be confirmed in the intended finished formulation.

6. PHYSICOCHEMICAL AND TECHNICAL DATA

Appearance	Liquid
Colour	Colourless
Odour	Fresh and floral
Density at 20 °C	0.859-0.865
Relative density at 25 °C	0.858-0.863
Refractive index at 20 °C	1.462-1.466
Flash point	87 °C, closed cup
Viscosity	6.14; unit not stated in the supplied TDS
Purity	98-100%
Heavy metals	Arsenic is listed in the supplied TDS; no quantitative limit or result is stated
Antioxidants	No added antioxidants
Solubility	Not stated in the supplied TDS

The specification values above are reproduced from the supplied technical information. Batch-specific conformity, including the heavy-metal specification, should be assessed against the applicable certificate of analysis.



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7. STABILITY AND FORMULATION COMPATIBILITY

Ethyl Linalool is stable when stored correctly in its original, tightly closed container and protected from light, heat and air. Unnecessary exposure to oxygen and elevated temperature should be minimised.

It is highly compatible with white-floral notes, citrus materials, clean musks, fresh aldehydes and aromatic ingredients. Stability, colour and odour performance should be confirmed in the intended finished formulation and packaging.

8. REGULATORY DATA AND STATUS

Intended use: Industrial use in perfumes and cosmetic products.

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

GMO status: Does not contain GMO and is not derived from GMO raw materials.

IFRA status: Not stated in the supplied TDS; verify the current IFRA certificate for the relevant finished-product category.

Halal / Kosher status: Compliant with Halal and Kosher requirements, according to the supplied information.

Nanomaterials: Does not contain nanomaterials. BSE/TSE status: Free from BSE/TSE risk.

Animal testing: The product has not been tested on animals.

Palm oil: Does not contain palm oil, palm kernel oil or their derivatives.

9. STORAGE AND SHELF LIFE

Store at a maximum temperature of 25 °C 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 under the recommended storage conditions.

10. SAFETY INFORMATION

Ethyl Linalool is intended for professional use as an ingredient in fragrance and cosmetic compositions. Avoid direct contact with the undiluted material. Use appropriate personal protective equipment and follow the current Safety Data Sheet supplied for the specific product.

11. DISCLAIMER

The information relates solely to the described raw material and does not replace the manufacturer's specification, certificate of analysis, IFRA documentation or Safety Data Sheet. The user is responsible for verifying identity, origin, purity, suitability, stability, safety and regulatory compliance in the intended application and target market. This document does not constitute regulatory approval or a guarantee of the properties of the finished product.