

TECHNICAL DATA SHEET

LINALYL ACETATE

Synthetic aroma chemical with a fresh floral-aromatic character

1. RAW MATERIAL IDENTIFICATION

Product name	Linalyl Acetate
Synonyms	Linalyl Acetate; Bergamol; Acetic Acid Linalool Ester
INCI name	LINALYL ACETATE
CAS number	115-95-7
Raw material type	Synthetic aroma chemical; acetic acid ester of linalool
Raw material origin	Synthetic
Raw material category	Synthetic aroma chemical

2. OLFACTORY CLASSIFICATION AND ODOUR PROFILE

Linalyl Acetate belongs primarily to the Aromatic olfactory family, with additional Floral - Other, Citrus and Fresh - Clean facets. It functions as a top-to-middle note and provides a light, elegant and transparent floral-aromatic effect.

Its odour is floral, fresh and slightly citrusy, with characteristic lavender and bergamot nuances. It is particularly suitable for fougère compositions, fresh floral fragrances, aromatic masculine structures and lavender and bergamot accords.



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3. DESCRIPTION AND FUNCTION IN FRAGRANCE COMPOSITION

Linalyl Acetate is one of the most important aroma chemicals for building lavender, bergamot and fresh aromatic accords. Chemically, it is the acetate ester of linalool, while olfactorily it is characterised by a soft, fresh and floral profile with a recognisable connection between lavender and bergamot.

It occurs naturally as one of the principal constituents of fine lavender essential oil, where it may account for approximately 25-50%, and contributes significantly to its characteristic fresh and floral profile. In fragrance compositions, it introduces lightness, softness and aromatic freshness without the sharpness associated with some pronounced terpenic materials.

Linalyl Acetate is particularly important in fougère compositions, where it links lavender and citrus top notes with warmer middle and base elements. Combined with coumarin, it provides a classic fougère character, while cedarwood and musks support its use in traditional and contemporary masculine fragrance structures.

It also performs well in fresh floral compositions when a bright, clean and slightly aromatic floral effect is required. Bergamot emphasises its citrus-floral freshness, while lavender and linalool provide a more natural and rounded aromatic profile.

Its versatility allows it to connect the citrus, aromatic, floral and woody parts of a composition. Its character remains relatively light and transparent, making it suitable for formulations requiring pronounced freshness without excessive weight.

Functional role in perfumery: Linalyl Acetate acts as a fresh floral-aromatic building material and linking component. It softens terpenic sharpness, supports lavender and bergamot accords and connects citrus top notes with floral, fougère and woody elements.

4. APPLICATION AND OLFACTORY COMPATIBILITY

Recommended use in fragrances: Linalyl Acetate is used to build lavender, fougère, bergamot, aromatic and fresh floral accords and to link citrus top notes with the floral and woody parts of a composition.

It is used to create and modify:

- lavender and bergamot accords;
- fougère compositions;
- fresh floral fragrances;
- citrus-floral accords;
- aromatic masculine compositions;
- clean and transparent fragrances;
- fresh woody structures;
- fragrances for cosmetic and functional products.

It combines well with lavender, bergamot, linalool, coumarin, cedarwood, musks, citrus oils and other aromatic and floral materials. It is particularly useful as a bridge between citrus, aromatic, floral and woody elements.



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5. RECOMMENDED USE

Recommended use in fragrances	Lavender, fougère, bergamot, aromatic and fresh floral accords; linking citrus top notes with floral and woody elements
Typical concentrations	Not stated in the supplied technical data
IFRA status	Verify the current IFRA certificate and apply any restrictions for the relevant finished-product category

The concentration must be determined according to the intended olfactory effect, product type and finished-product safety assessment. Gradual dosing and evaluation in the intended formulation are recommended.

6. PHYSICOCHEMICAL AND TECHNICAL DATA

Appearance	Liquid
Colour	Colourless
Odour	Floral, fresh
Olfactory character	Fresh floral-aromatic profile with lavender, bergamot and discreet citrus nuances
Density	Not stated in the supplied technical data
Refractive index	Not stated in the supplied technical data
Flash point	Not stated in the supplied technical data
Solubility	Not stated in the supplied technical data
Shelf life	24 months



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7. STABILITY AND COMPATIBILITY

Stability data are not stated in the supplied technical documentation. Linalyl Acetate combines well with lavender, bergamot, linalool, coumarin, cedarwood, musks, citrus oils and other aromatic and floral materials. Stability, compatibility, colour and odour profile must be confirmed in the finished formulation and intended packaging.

8. REGULATORY DATA AND STATUS

Vegan status: Vegan; contains no ingredients of animal origin.

GMO status: Not stated in the supplied technical data.

Halal and Kosher status: Halal and Kosher compatible.

Nanomaterials: Not stated in the supplied technical data.

9. STORAGE AND SHELF LIFE

Specific storage conditions and storage temperature are not stated in the supplied TDS. Keep the material in its original, tightly closed container and follow the current instructions issued by the specific manufacturer.

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

10. SAFETY INFORMATION

Linalyl Acetate is intended for professional use in fragrances, cosmetic fragrance compositions and flavour compositions. Avoid direct contact with the undiluted material.

Use suitable protective equipment, avoid contact with skin and eyes and ensure adequate ventilation during handling. Consult the current SDS before use.

The final concentration must comply with the current IFRA certificate, the safety assessment of the finished product and the regulations of the target market.

11. DISCLAIMER

The information applies solely to the described raw material and does not replace the specification, COA, IFRA documentation or SDS issued by the specific manufacturer. The user is responsible for verifying suitability, stability, safety and regulatory compliance in the intended application and target market. This document does not constitute regulatory approval or a guarantee of finished-product properties.