

TECHNICAL DATA SHEET

Raw Material Name: Vanilla Absolute

INCI Name: Vanilla Planifolia Absolute

CAS Number: 8024-06-4; 84650-63-5

Botanical Name: Vanilla planifolia Jacks. ex Andrews

Synonyms: Vanilla planifolia; Flat-leaved Vanilla; Bourbon Vanilla; Bourbon Vanilla Absolute; Vanilla Planifolia Absolute

Extraction Method: Organic Extraction (Hexane Free)

Raw Material Origin: Madagascar

Fragrance Classification (Note): Base note; excellent fixative

Description: Vanilla Absolute (Vanilla planifolia) is a rich and complex aromatic raw material obtained from processed and fermented vanilla pods. According to the supplied specification, it is produced by hexane-free organic extraction, yielding a concentrated aromatic fraction characteristic of Madagascar Bourbon vanilla. Its olfactory profile is warm, sweet, creamy and balsamic, with pronounced nuances of vanillin, caramel, dry wood and mild spicy warmth. The fragrance develops slowly and shows good persistence on blotter and within perfume compositions, which is why Vanilla Absolute is typically used as a base note and fixative. In perfumery it rounds out the composition, softens sharper and drier accords, links middle and base notes and contributes to fullness and longevity. It is particularly valued in amber, oriental, gourmand, woody and balsamic compositions. The raw material is soluble in ethanol and compatible with fixed oils and other lipophilic carriers, while being practically insoluble in water. According to the supplied technical data, its specific gravity is approximately 0.970-1.040 g/ml at 20 °C and its refractive index is 1.495-1.525 at 20 °C. Characteristic aromatic constituents may include vanillin, hydroxybenzaldehydes, organic acids, eugenol, furfural and other volatile and semi-volatile components, the relative proportions of which depend on origin, processing and extraction method.

Olfactory Profile: Warm, sweet, creamy and balsamic, with characteristic vanillic sweetness, caramel nuances, mild dry wood and soft spicy warmth. In the base it provides depth, fullness and longevity, while at lower dosages it can soften sharp, dry or overly mineral accords without taking over the entire composition.

Benefits in Fragrance Compositions:

- Contributes warmth, fullness and roundness to the fragrance base.
- Acts as a fixative and may prolong the perception of other fragrance notes.

Disclaimer: The details provided here are specific to the identified material and may not remain accurate if that material is combined with other substances or used in different processes. The information presented is, to the best of the company's knowledge, considered precise and trustworthy as of the date mentioned. However, the company does not make any explicit or implied assurance, guarantee, or claim regarding the information's precision, trustworthiness, or comprehensiveness, and will not be held accountable for any losses, damages, or costs, whether direct or indirect, that arise from its use. Users are encouraged to independently verify the appropriateness and thoroughness of this information for their specific purposes.

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- Softens sharp, dry and woody accords and connects them with warmer base notes.
- Particularly suitable for amber, oriental, gourmand and balsamic compositions.
- Contributes a creamy, sensual and luxurious character to the finished fragrance.

Directions for Use: Vanilla Absolute is used as a base fragrance component and fixative in perfume and cosmetic formulations. Due to its viscosity and intensity, pre-dilution in ethanol or another compatible perfumery carrier is recommended. In perfumes and fine fragrance compositions it is most commonly used at approximately 0.1-1.0% in the final fragrance base. In gourmand and amber compositions it is often used at around 0.3-0.8%, while higher levels may quickly become dominant and suppress other notes. In cosmetic body products, typical formulation levels are approximately 0.05-0.3%, depending on fragrance intensity, the overall perfume system and regulatory limitations. In perfume oils, balms and solid perfumes it may be used at approximately 0.5-1.5%. The final concentration must comply with applicable IFRA documentation and the safety assessment of the specific finished product. It is not recommended for formulations intended for sensitive areas, such as the eye area.

Manufacturing Method: Vanilla Absolute is obtained by extracting aromatic constituents from previously processed and fermented *Vanilla planifolia* pods. Absolute production involves an extraction process that yields a concentrated aromatic fraction, followed by removal of the extraction medium and additional processing to obtain the desired olfactory profile. According to the specification for this raw material, the process is described as Organic Extraction (Hexane Free). Enfleurage is not considered the standard manufacturing method for Vanilla Absolute and is therefore not stated as the production method of this product.

Stability and Storage: Store in the original, tightly closed container in a cool, dry place, protected from direct sunlight, air and sources of heat. Prolonged exposure to oxygen, light and elevated temperatures may alter the color and olfactory profile of the raw material. If the product has been stored for more than 36 months, verification of quality and fragrance profile prior to use is recommended.

Precautions: Vanilla Absolute is a concentrated fragrance raw material and is not intended for direct undiluted application to the skin. Before use in a cosmetic product, current IFRA documentation, declared allergens and maximum permitted concentrations for the relevant finished-product category should be reviewed. Individual hypersensitivity reactions cannot be completely excluded; therefore, safety and skin tolerance should be assessed at the level of the final formulation.