

TECHNICAL DATA SHEET

BAGDENOL

Synthetic sandalwood aroma chemical with a soft, creamy and warm woody character

1. RAW MATERIAL IDENTIFICATION

Product name	Bagdenol
Synonyms	Bacdanol; Bangalol
INCI name	TRIMETHYLCYCLOPENTENE BUTENOL
CAS numbers	106185-75-5; 28219-61-6
Molecular formula	C ₁₅ H ₂₄ O
Molecular weight	220.35 g/mol
Chemical group	Sandalwood aroma chemical / terpenic alcohol
Raw material origin	Synthetic
Raw material category	Aroma chemical

2. OLFACTORY CLASSIFICATION AND ODOUR PROFILE

Bagdenol belongs to the woody-sandalwood / creamy-woody olfactory family and functions primarily as a base note in fragrance compositions.

Its odour profile is soft, creamy and warm, with an elegant sandalwood character, a slightly milky nuance and a smooth natural woody effect.



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3. DESCRIPTION AND FUNCTION IN FRAGRANCE COMPOSITIONS

Bagdenol is a sophisticated synthetic aroma chemical from the woody-sandalwood olfactory family. It is characterised by a soft, creamy and elegant sandalwood profile with warm woody and slightly milky nuances.

Compared with more powerful sandalwood materials, Bagdenol has a softer, rounder and more natural character. It is therefore particularly useful for smoothing and rounding woody bases without introducing excessive dryness or sharpness.

Its olfactory profile evokes natural sandalwood and provides a clean, pleasant creamy-woody effect. It is especially suitable for sandalwood accords, amber bases, oriental fragrances, modern woody compositions and luxurious unisex perfumes.

It combines well with cedarwood notes, vetiver, amber materials, musks, vanilla bases, floral accords and smoky woody compositions.

Functional role in perfumery: Bagdenol acts as a creamy sandalwood base note, woody modifier and soft linking material. It rounds harsh woody facets, adds warmth and volume and supports smooth transitions between floral, amber, musky and woody elements.

4. APPLICATION AND OLFACTORY COMPATIBILITY

Recommended use in perfumery: For building sandalwood accords and soft creamy-woody bases and for rounding woody, amber, oriental and floral fragrance compositions.

It is used to create and modify:

- sandalwood accords;
- modern woody fragrances;
- amber and oriental compositions;
- creamy and slightly milky woody bases;
- luxurious unisex fragrances;
- floral-woody compositions;
- musky and vanilla-woody bases;
- fragrances for cosmetic and personal-care products.

The material shows very good compatibility with woody, amber, musky and floral fragrance bases. It is particularly effective with cedarwood, vetiver, amber materials, musks, vanilla notes and smoky woody accords.

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5. RECOMMENDED USE

Recommended range	0.5-5.0% in fragrance compositions
Sandalwood accords	1.0-5.0%
Woody fragrances	0.5-5.0%
Amber bases	0.5-3.0%
Oriental compositions	0.5-5.0%

Pre-dilution in ethanol, dipropylene glycol (DPG) or triethyl citrate (TEC) is recommended for easier dosing and more precise balancing of the formula. The stated ranges are formulation recommendations and do not represent regulatory maximum concentrations. The current IFRA certificate must be checked for the relevant finished-product category.

6. PHYSICOCHEMICAL AND TECHNICAL DATA

Appearance	Liquid
Colour	Colourless to pale yellow
Odour	Creamy, sandalwood-like, soft and warm
Olfactory character	Soft and creamy sandalwood profile with warm woody and slightly milky nuances
Density at 20 °C	0.930-0.970
Refractive index at 20 °C	1.490-1.510
Flash point	>100 °C
Purity	≥95%
Solubility	Soluble in alcohol and fragrance bases



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7. STABILITY AND COMPATIBILITY

Bagdenol shows very good stability in fragrance formulations and is highly compatible with woody, amber, musky and floral fragrance bases. Compatibility, stability, colour and odour profile should be confirmed in the intended finished formulation and packaging.

8. REGULATORY INFORMATION AND STATUS

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

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

IFRA status: Not stated in the supplied data. The current IFRA certificate must be checked before use in the finished product.

Nanomaterials: Not stated in the supplied data.

9. STORAGE AND SHELF LIFE

Store in the original, tightly closed container, protected from light, air and sources of heat. Close the container immediately after use.

Recommended storage temperature: Maximum 25 °C.

Shelf life: 24 months under the recommended storage conditions.

10. SAFETY INFORMATION

Bagdenol is intended for professional use as an ingredient in fragrance and cosmetic compositions. It should not be applied directly to the skin in concentrated form.

Use suitable protective gloves and eye protection. Avoid direct contact with the skin and eyes and avoid inhalation of vapour or aerosol. Work in a well-ventilated area and follow the current Safety Data Sheet for the specific product.

11. DISCLAIMER

The information applies exclusively to the described raw material and does not replace the specification, Certificate of Analysis, IFRA documentation or Safety Data Sheet of 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 the properties of the finished product.