

TECHNICAL DATA SHEET

JAVANOL

Powerful synthetic sandalwood aroma chemical with a creamy woody profile

1. RAW MATERIAL IDENTIFICATION

Product name	Javanol
INCI name	Not assigned / not specified
Chemical name	[1-Methyl-2-[(1,2,2-trimethylbicyclo[3.1.0]hex-3-yl)methyl]cyclopropyl]methanol (mixture of diastereoisomers)
CAS number	198404-98-7
EINECS number	427-900-1
FEMA number	4776
FLAVIS number	Not assigned
JECFA number	2254
Molecular formula	C ₁₅ H ₂₆ O
Molecular weight	222.37 g/mol
Raw material type	Synthetic aroma chemical
Raw material origin	Synthetic
Geographical origin	Switzerland

2. OLFACTORY CLASSIFICATION AND ODOUR PROFILE

Javanol belongs to the woody-sandalwood olfactory family and functions as a powerful base note in perfume compositions.

Its profile is intense, rich and creamy, with a natural sandalwood character, milky-woody facets and subtle rosy nuances reminiscent of the softer aspects of beta-santalol.



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3. DESCRIPTION AND FUNCTION IN A PERFUME COMPOSITION

Javanol is a modern synthetic aroma chemical from the woody-sandalwood olfactory family. It is characterised by an exceptionally strong, rich and natural sandalwood profile with creamy, milky-woody and delicate rosy nuances.

In perfume compositions, it is used primarily as a base note to create luxurious sandalwood depth, creamy volume and long-lasting diffusion. It is particularly suitable for woody-amber, creamy-wood, musky, floral-woody and modern unisex fragrances.

Javanol is regarded as one of the most powerful contemporary sandalwood materials. It has a very low odour threshold, high diffusivity and exceptional substantivity; its olfactory effect can remain perceptible on a blotter for several weeks.

The absence of carbon-carbon double bonds contributes to its good chemical stability in various perfume and cosmetic systems. Compatibility should nevertheless be confirmed in the intended finished formulation.

It combines particularly well with sandalwood materials, Iso E Super-type bases, cedarwood notes, amber accords, musks, iris, violet, rose, patchouli and modern woody molecules.

Functional role in perfumery: Javanol acts as a high-impact sandalwood base note, a creamy woody modifier and a powerful diffusion and persistence enhancer. It provides volume, radiance and a refined natural-sandalwood effect, even at low concentrations.

4. APPLICATION AND OLFATORY COMPATIBILITY

Recommended use in perfumery: For sandalwood accords, woody-amber structures, creamy woods, musky fragrances, floral-woody compositions and modern unisex perfumes.

It is used to create and modify:

- sandalwood accords;
- woody-amber compositions;
- creamy and milky woody bases;
- floral-woody fragrances;
- musky and powdery structures;
- modern unisex perfumes;
- amber and oriental bases;
- fragrances for cosmetic and personal-care products.

Due to its very high impact and diffusivity, careful dosing is particularly important in floral, powdery and musky compositions.

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5. RECOMMENDED USE

Recommended range	Traces to 2.0% in perfume compositions
Sandalwood accords	0.1-2.0%
Woody-amber compositions	0.2-2.0%
Floral-woody and musky fragrances	0.01-0.50%

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

6. PHYSICOCHEMICAL AND TECHNICAL DATA

Appearance	Colourless to light-yellow viscous liquid
Odour	Intense, creamy, sandalwood and woody
Olfactory character	Powerful creamy sandalwood with milky-woody and subtle rosy nuances
Density at 20 °C	0.947
Boiling point	268-271 °C
Vapour pressure at 20 °C	0.0002-0.0003 mmHg
Log P	4.8
Flash point	>93 °C
Purity	>=98%
Solubility	Soluble in alcohol, DPG, TEC and perfume bases



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7. STABILITY AND COMPATIBILITY

Javanol shows very good stability in perfume formulations and in most cosmetic systems. It is compatible with sandalwood and cedarwood materials, Iso E Super-type bases, amber accords, musks, iris, violet, rose, patchouli and modern woody molecules. 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 genetically modified raw materials.

Halal status: Halal compliant. Kosher status: Kosher compliant.

IFRA status: Not specified in the supplied data. The current IFRA certificate should be checked before use in a finished product.

Nanomaterials: Not specified 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

Javanol is intended for professional use as an ingredient in perfume 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 supplied material.

11. DISCLAIMER

The information applies exclusively to the material described and does not replace the specification, certificate of analysis, IFRA documentation or safety data sheet issued for the specific supplier product. The user is responsible for confirming 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.