

TECHNICAL DATA SHEET

ANISIC ALDEHYDE

Synthetic floral-anisic aldehyde aroma chemical

1. RAW MATERIAL IDENTIFICATION

Product name	Anisic Aldehyde
INCI name	ANISALDEHYDE
IUPAC name	4-Methoxybenzaldehyde
Synonyms	Aubepine Para Cresol; Anisaldehyde
CAS number	123-11-5
FEMA number	2670
FLAVIS number	05.015
Molecular formula	C ₈ H ₈ O ₂
Raw material type	Synthetic aroma chemical - floral-anisic aldehyde
Origin	Synthetic
Country of origin	India

2. OLFACTORY CLASSIFICATION AND ODOUR PROFILE

Anisic Aldehyde belongs primarily to the Floral - Other olfactory family, with important Powdery and Spicy facets. It functions as a middle-to-base note and gives floral accords softness, volume and good persistence.

Its odour is soft, floral, powdery and mildly anisic, with gentle honeyed sweetness and characteristic associations with hawthorn and mimosa. It is especially suitable for floral-powdery, oriental, mimosa, hawthorn, ylang-ylang and carnation compositions.



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3. DESCRIPTION AND FUNCTION IN FRAGRANCE COMPOSITION

Anisic Aldehyde is a synthetic fragrance raw material with a characteristic floral-anisic profile. It is a classic material for building soft, powdery, mildly anisic and honeyed floral notes in floral and oriental fragrance compositions.

Its profile combines hawthorn and mimosa associations with gentle anisic sweetness and a refined powdery texture. In a composition, it can link floral, spicy, balsamic and gourmand-oriental elements without introducing excessive heaviness.

In the fragrance structure, Anisic Aldehyde acts as a middle-to-base note. In the heart it contributes floral fullness, a mild anisic nuance and powdery softness, while in the base it adds gentle sweetness, roundness and fixation. It is particularly useful when a classical floral-powdery or oriental-sweet profile is required.

In mimosa and hawthorn accords, it provides characteristic soft florality and anisic sweetness. In oriental fragrances, it connects floral notes with vanilla, balsamic materials, spices and musks. In ylang-ylang and carnation accords, it adds warmth, sweetness and a powdery dimension.

It combines well with mimosa, hawthorn, ylang-ylang, carnation, jasmine, rose, heliotrope, anisic notes, vanillin, tonka, coumarin, benzoin, balsamic materials, powdery and white musks, sandalwood and soft amber bases.

Because of its pronounced character and good fixation, careful dosing is recommended. At low levels it gives a refined floral-anisic nuance, while higher levels may create a dominant powdery-floral, mildly anisic and honeyed effect.

Functional role in perfumery: A soft floral-powdery middle-to-base note, modifier and linking material that supports mimosa, hawthorn and oriental accords and improves their roundness and persistence.

4. APPLICATION AND OLFACTORY COMPATIBILITY

Recommended use in fragrances: For building and modifying floral-powdery, anisic, honeyed and oriental compositions.

It is suitable for:

- mimosa accords;
- hawthorn accords;
- ylang-ylang compositions;
- carnation accords;
- floral-powdery fragrances;
- oriental compositions;
- honeyed floral accords;
- classic feminine fragrances.

It combines particularly well with mimosa, hawthorn, ylang-ylang, carnation, jasmine, rose, heliotrope, anisic notes, vanillin, tonka, coumarin, benzoin, balsamic materials, musks, sandalwood and soft amber bases.

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5. RECOMMENDED USE

Recommended use in fragrances	0.1-1.5%
Mimosa and hawthorn accords	0.2-1.5%
Floral-powdery and oriental compositions	0.1-1.0%
Ylang-ylang and carnation accords	0.1-0.8%
IFRA status	Subject to moderate IFRA restrictions; verify the current IFRA documentation for the relevant finished-product category

The indicated levels are formulation guidelines and not regulatory maximum concentrations. Preliminary testing of solubility, compatibility, stability, colour and odour profile in the finished formulation is recommended.

6. PHYSICOCHEMICAL AND TECHNICAL DATA

Appearance	Liquid
Colour	Colourless to pale yellow
Odour	Floral and powdery
Olfactory character	Soft, floral, powdery, mildly anisic and honeyed, with hawthorn and mimosa associations
Density at 20 °C	1.122-1.129
Density at 25 °C	1.117-1.124
Refractive index at 20 °C	1.570-1.576
Flash point	>150 °C
Purity	99.0-100.0%
Solubility	Not stated in the supplied TDS; verify compatibility in the intended alcohol-based or lipophilic system
Shelf life	24 months



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7. STABILITY AND COMPATIBILITY

Stable when correctly stored at temperatures up to 25 °C in the original, well-filled and hermetically sealed container, protected from air and light. It is highly compatible with floral, anisic, powdery, honeyed, mimosa, hawthorn, ylang-ylang, carnation, oriental, balsamic, vanilla and musky compositions. Compatibility, colour, stability 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: Contains no GMOs and is not derived from GMO raw materials.

Halal status: Halal compliant.

Kosher status: Meets Kosher requirements.

IFRA status: Subject to moderate IFRA restrictions; apply the limits stated in the current IFRA documentation for the relevant finished-product category.

Nanomaterials: Contains no nanomaterials.

9. STORAGE AND SHELF LIFE

Store at temperatures up to 25 °C in the original, well-filled and hermetically sealed container, protected from air, light and heat. Close the container immediately after use.

Recommended storage temperature: Up to 25 °C.

Shelf life: 24 months under the prescribed storage conditions.

10. SAFETY INFORMATION

Anisic Aldehyde is intended for professional use in fragrance, cosmetic and flavour formulations. Avoid direct contact with the undiluted material.

Use appropriate protective equipment, avoid contact with skin and eyes and ensure adequate ventilation. Consult the current SDS before use and follow all applicable handling and exposure-control measures.

The final concentration must comply with the current IFRA documentation, 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.