

TECHNICAL DATA SHEET

IONONE BETA

Synthetic floral-woody aroma chemical with a powdery violet and iris character

1. RAW MATERIAL IDENTIFICATION

Product name	Ionone Beta
INCI name	IONONE
CAS numbers	79-77-6 / 14901-07-6
FEMA number	2595
FLAVIS number	7.008
Molecular formula	C ₁₃ H ₂₀ O
Raw material type	Synthetic aroma chemical
Geographical origin	France
Raw material category	Synthetic aroma chemical

2. OLFACTORY CLASSIFICATION AND ODOUR PROFILE

Ionone Beta belongs to the floral-woody-powdery olfactory family and functions as a middle and base note in fragrance compositions.

Its profile is elegant, woody and powdery, with distinctive violet and iris facets, dry cedarwood nuances and a subtle fruity-woody undertone.



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3. DESCRIPTION AND FUNCTION IN FRAGRANCE COMPOSITIONS

Ionone Beta is a synthetic aroma chemical from the floral-woody-powdery olfactory family. It is characterised by an elegant profile with pronounced powdery violet, dry cedarwood and soft fruity-woody nuances reminiscent of iris.

In fragrance compositions, it functions as a middle and base note and contributes depth, fullness and a sophisticated powdery effect. It is particularly suitable for iris-violet accords, powdery floral compositions, woody fragrances and aromatic masculine perfumes.

Compared with Alpha Ionone, Ionone Beta has a more pronounced woody character and a less dominant floral facet. It therefore provides a firmer, drier and more structured foundation within the fragrance composition.

It blends well with iris and orris materials, cedarwood, sandalwood, violet, rose, musks and amber notes. It also supports floral-woody and powdery structures by connecting the floral heart with the woody base.

Functional role in perfumery: Ionone Beta acts as a powdery violet-iris middle and base note, woody modifier and linking material. It adds depth, structure and persistence while smoothing the transition between floral, woody, musky and amber elements.

4. APPLICATION AND OLFATORY COMPATIBILITY

Recommended use in perfumery: For building iris, violet and powdery floral accords and for adding dry woody depth to woody, amber and aromatic compositions.

It is used to create and modify:

- iris and orris accords;
- violet compositions;
- powdery floral fragrances;
- floral-woody structures;
- woody and amber compositions;
- aromatic masculine fragrances;
- musky and suede-like bases;
- fragrances for cosmetic and personal-care products.

The material is compatible with alcoholic bases, fragrance oils and most standard aroma chemicals used in perfumery.

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5. RECOMMENDED USE

Recommended range	0.1-10.0% in fragrance compositions
Fresh floral fragrances	0.1-1.0%
Powdery and iris accords	1.0-5.0%
Woody and amber compositions	2.0-10.0%

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	Light yellow to yellow
Odour	Floral, woody and powdery
Olfactory character	Elegant powdery violet and iris profile with dry woody and subtle fruity-woody nuances
Density at 20 °C	0.943-0.948
Refractive index at 20 °C	1.518-1.522
Flash point	126 °C
Purity	97-100%
Solubility	Soluble in alcohol and fragrance bases



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7. STABILITY AND COMPATIBILITY

Ionone Beta shows good stability in alcoholic fragrance formulations and good compatibility with alcoholic bases, fragrance oils and standard aroma chemicals used in perfumery. 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.

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

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

Ionone Beta 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.