

TECHNICAL DATA SHEET

Product Name: Alpha-Bisabolol Organic
INCI Name: Bisabolol
Chemical Name: Levomenol / Alpha-Bisabolol
CAS No.: 23089-26-1
EC No.: 245-423-3
Molecular Formula: C₁₅H₂₆O
Molecular Weight: 222.37 g/mol
Product Type: Cosmetic raw material
Origin: Organic grade
Recommended Use: Raw material for cosmetics industry

1. Product Description

Alpha-Bisabolol Organic is a high-purity cosmetic active known for its soothing and skin-conditioning properties. It is typically used in skin care, after-sun care, baby care, sensitive skin formulations, and scalp care products.

2. Typical Properties

| Parameter | Specification / Typical Value |
|--------------------------|------------------------------------|
| Appearance | Limpid, oily liquid |
| Color | Colorless to clear yellow |
| Odor | Characteristic |
| Solubility | Easily soluble in absolute ethanol |
| Density (20°C) | 0.927 – 0.935 g/cm ³ |
| Typical Density | 0.931 g/cm ³ |
| Refractive Index (20°C) | 1.493 – 1.497 |
| Typical Refractive Index | 1.494 |
| Optical Rotation | -58° to -55° |
| Typical Optical Rotation | -56.0° |
| Assay (GC-FID) | ≥ 95.0% |
| Typical Assay | 95.2% |

3. Recommended Use Level

Typical use level: 0.1–1.0%

Depending on product type and target claim, use levels may vary.

Suggested applications:

- Serums

- Creams and lotions
- After-sun products
- Sensitive skin care
- Baby care products
- Scalp and hair care
- Lip care

4. Processing

Alpha-Bisabolol Organic can generally be incorporated into the **oil phase** or **cool-down phase**, depending on the formulation system. For best results, add under moderate mixing and avoid unnecessary prolonged exposure to high temperature.

5. Benefits

- Skin-soothing support
- Helps improve skin comfort
- Suitable for sensitive skin concepts
- Supports barrier-friendly formulations
- Ideal for calming and restorative cosmetic products

6. Storage

Store in a **tightly closed container** in a **dry, cool, and well-ventilated place**.

Protect from light and heat.

Keep away from food, drink, and animal feed.

7. Shelf Life

Shelf life: Refer to batch-specific documentation and internal retest policy.

I would not print the COA expiry date as a generic TDS shelf life, because that date is batch-specific.

8. Safety Information

For industrial and professional use.

Avoid unnecessary release to the environment.

Please refer to the latest Safety Data Sheet before handling. The MSDS classifies the substance as harmful to aquatic life with long lasting effects (H412).

9. Regulatory / Labeling

This document is for technical information only and does not replace the need for customer-side stability, compatibility, and regulatory assessment in the final formulation.