品鸿生物科技
Pinhon Biotechnology

TECHNICAL DATA SHEET

PINHONBIO® (-)-alpha-Bisabolol

1. Product Overview

PINHONBIO® (-)-alpha-Bisabolol is a fermentation-derived cosmetic raw material supplied as a colorless to yellowish viscous liquid. Also known as levomenol, it is standardized to an assay of not less than 98% and chromatographic purity of not less than 98%. This sheet describes the standing product specification across batches.

2. Product Identification

Parameter	Information
Trade name	PINHONBIO® (-)-alpha-Bisabolol
INCI name	BISABOLOL
CAS number	23089-26-1
Molecular formula	C15H26O
Molecular weight	222.37 g/mol
PubChem CID	442343
Origin	Fermentation-derived
Grade	Cosmetic grade
Specification reference	Company standard

3. Technical Specification

Test	Specification
Assay (GC external-standard method)	>=98%
Purity (GC peak-area normalization)	>=98%
Identification (IR)	Spectrum consistent with the standard spectrum
Appearance	Colorless to yellowish viscous liquid
Specific optical rotation	-58.0 to -55.0 degrees
Relative density (20°C/4°C)	0.920-0.936
Refractive index (20°C)	1.485-1.497
Odor	Characteristic
Arsenic	<=2.0 mg/kg
Lead	<=2.0 mg/kg
Mercury	<=1.0 mg/kg
Cadmium	<=1.0 mg/kg
Total plate count	<=1,000 CFU/g
Yeasts and molds	<=100 CFU/g
Diarrheagenic Escherichia coli	Negative per g
Salmonella	Negative per g

GC-FID: Assay is determined by external-standard quantitation; chromatographic purity is determined by peak-area normalization. Method reference: Chinese Pharmacopoeia 2020, Volume IV, General Chapter 0521, and Q/YJNS 001-2023. Relative density is dimensionless; 1 ppm equals 1 mg/kg. Specific-rotation test conditions follow the applicable laboratory procedure.

4. Formulation Guidance

Establish the use level and incorporation procedure through formulation trials. Evaluate ingredient and finished-product safety, stability and compatibility under the intended processing and use conditions.

The material has low water solubility and is soluble in ethanol according to substance references. Evaluate solubility and dispersion in the intended oil phase or cosmetic vehicle. These handling characteristics are not additional release specifications.

5. Packaging Storage and Shelf Life

Parameter	Information
Pack size	1 kg per package
Storage	Keep tightly closed in a cool, dry, shaded place. Protect from excessive heat, direct sunlight and contamination.
Shelf life	24 months when stored properly; follow the batch-specific retest date and supplier instructions.

6. Quality and Handling

Use the current batch COA for incoming inspection. Avoid skin/eye contact and inhalation of mist. Prevent release to drains or waterways. Follow the SDS for bulk handling and transport; this TDS does not replace a safety or regulatory assessment.

7. Supplier Contact and Document Control

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This sheet applies across batches. Use the delivery COA for batch acceptance. Revise this sheet when product specifications or handling information change.