品鸿生物科技
Pinhon Biotechnology

TECHNICAL DATA SHEET

PINHONBIO® EUK-134

1. Product Overview

PINHONBIO® EUK-134 is a cosmetic-grade antioxidant raw material supplied as a dark brown powder. The chemical identity is Ethylbisiminomethylguaiacol Manganese Chloride, a manganese complex. The supplier COA specifies both an HPLC assay and an HPLC purity of not less than 99%.

2. Product Identification

Parameter	Information
Trade name	PINHONBIO® EUK-134
INCI name	ETHYLBISIMINOMETHYLGUAIACOL MANGANESE CHLORIDE
CAS number	81065-76-1
Molecular formula	C18H18ClMnN2O4
Molecular weight	416.7 g/mol
Grade	Cosmetic grade
Appearance	Dark brown powder
Specification reference	Company standard
Composition	EUK-134 99-100% (w/w); no intentionally added carrier or solvent

3. Technical Specification

Test	Specification
Assay by HPLC (reference-standard quantitation)	>=99%
Purity by HPLC (peak-area normalization)	>=99%
Identification	Conforms by LC-MS and HPLC
Appearance	Dark brown powder
Odor	Characteristic
Particle size	>=95% passes an 80-mesh sieve
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

Supplier clarification: Assay is determined by HPLC against a reference standard; Purity is the normalized HPLC peak-area percentage. The two tests are reported separately. The particle-size criterion is >=95% passing an 80-mesh sieve.

For solid-material concentration specifications, 1 ppm is expressed as 1 mg/kg. Detailed analytical and microbial methods are not identified in the source COA.

4. Supplied Batch Reference

Parameter	Information
Batch number	PHEMC26091701
Assay by HPLC (reference standard)	99.23%
Purity by HPLC (peak-area normalization)	99.75%
Batch quantity	10 kg
Production date	17 Sep 2026
Analysis date	27 Sep 2026
Expiry date	16 Sep 2028
COA conclusion	Conforms to specification

The figures above identify the supplied reference batch. Subsequent deliveries require their own batch COA. 'Conforms' does not provide a numerical heavy-metal or microbial result.

5. Cosmetic Function and Formulation

The INCI ingredient is listed with an antioxidant function in COSMILE Europe. Its suitability in a finished cosmetic product depends on the formulation and the destination-market safety assessment.

Evaluate solubility in the selected vehicle, incorporation, color contribution and stability in the actual formulation. Establish the use level, pH range, processing temperature and compatibility through testing. The COA does not establish a recommended dosage or a water-solubility specification.

Reference solubility: ChemSrc lists 2 mg/mL in water under warmed conditions; Sigma-Aldrich SML0743 reports the same laboratory value. This is literature information, not a PINHONBIO batch specification or a guarantee at room temperature. The warmed condition is not a validated processing-temperature recommendation.

6. Packaging Storage and Shelf Life

Parameter	Information
Inner packaging	Double-layer plastic bag
Outer packaging	Neutral cardboard drum
Storage	Keep tightly closed in a cool, dry, shaded place. Protect from direct sunlight, excessive heat, moisture and contamination.
Shelf life	24 months when stored properly. Follow the batch-specific expiry date.

7. Quality and Handling

Use the current batch COA for incoming inspection. Avoid inhalation of powder and direct eye or skin contact. Follow the SDS for bulk handling. This TDS does not replace finished-product safety, efficacy, stability or regulatory assessment.

8. Supplier Contact

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Information basis: Supplier COA PHEMC26091701; supplier clarifications dated 02 Oct 2026; PubChem CID 9823233; COSMILE Europe INCI record 5429; ChemSrc EUK-134 record (www.chemsrc.com/en/baike/842796.html); Sigma-Aldrich SML0743 (www.sigmaaldrich.com/US/en/product/sigma/sml0743).