TECHNICAL DATA SHEET

PINHONBIO® EUK-134 99%

A dark brown, cosmetic-grade manganese complex. The product specification includes separate HPLC requirements for assay and purity.

INCI name	ETHYLBISIMINOMETHYLGUAIACOL MANGANESE CHLORIDE
CAS number	81065-76-1
Molecular formula / molar mass	$C_{18}H_{18}ClMnN_2O_4$ / 416.7 g/mol

Quality specifications

Parameter	Specification
Assay (HPLC)	≥99%
Purity (HPLC)	≥99%
Identification	Identity confirmed by LC–MS and HPLC
Appearance	Dark brown powder
Odour	Characteristic
Particle size	≥95% passes an 80-mesh sieve
Elemental limits	As and Pb each ≤2.0 mg/kg. Hg and Cd each ≤1.0 mg/kg.
Total plate count	≤1,000 CFU/g
Yeasts and moulds	≤100 CFU/g
Diarrhoeagenic Escherichia coli	Absent in 1 g
Salmonella	Absent in 1 g

Formulation guidance

Evaluate the colour contribution in the finished base at the intended use level. Monitor colour and uniformity during stability testing.

Packaging and storage

Double plastic liners in an outer fibre drum. Store tightly closed in a cool, dry place protected from light. Shelf life is 24 months from manufacture under these conditions.

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