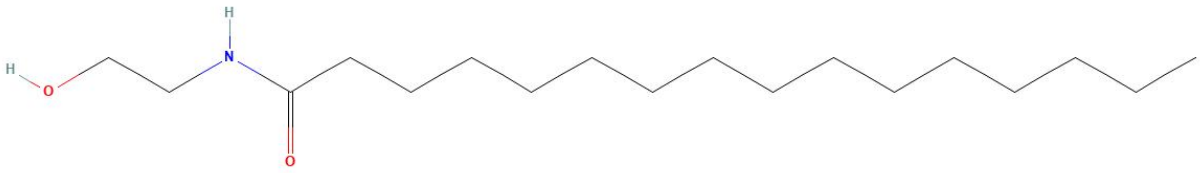
天津津诚生物科技有限公司
Jincheng Bio-Tech (Tianjin) Co., Ltd.

Technical Data Sheet

Tianjin Jincheng Biotechnology Co., Ltd.

Product Name: Palmitoylethanolamide
Chemical Structure:



Molecular Formula: C18H37NO2
Molecular Weight: 299.49
CAS No.: 544-31-0

Specifications

Item	Limit	Analysis method
Description	Fine white to off-white crystalline powder	Visual
Identification	Positive	IR / HPLC
Purity (HPLC)	Not less than 99.0%	HPLC
Particle size	Not less than 90% through 60 mesh	Sieve analysis
Loss on drying	Not more than 1.0%	USP <731>
Water	Not more than 1.0%	Karl Fischer
Residue on ignition	Not more than 0.10%	USP <281>
Bulk density	Not less than 0.30 g/mL	USP <616>
Chloride	Not more than 0.02%	USP <221>
Lead / Cadmium	NMT 0.5 / 1.0 mg/kg	ICP-MS
Arsenic / Mercury	NMT 0.15 / 0.1 mg/kg	ICP-MS
Methanol / ethanol / EtOAc	NMT 0.3% / 0.5% / 0.5%	GC
Total plate count	Not more than 1,000 cfu/g	USP <61>
Yeast and mould	Not more than 100 cfu/g	USP <61>
Coliforms	Not more than 10 cfu/g	USP <62>
E. coli	Negative in 10 g	USP <62>
Salmonella	Negative in 25 g	USP <62>
Staphylococcus aureus	Negative in 10 g	USP <62>
Pseudomonas aeruginosa	Negative in 25 g	USP <62>

Recommended shelf life: 2 years
External packing: Fibre drum, 25 kg net
Inner packing: Double-layer PE bag
Storage: Preserve in tight containers, protected from light, in a cool and dry place.

Note: Analytical methods refer to current USP general chapters and the manufacturer's in-house standard; this document is for reference only and the quality of each batch is subject to the COA supplied with the goods.
Preparation Date: Sep. 21, 2026 | Version: 1.0 | Prepared by: | Product code: JC-PEA-001