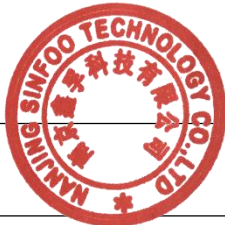




Certificate of analysis

Product Name:Palmitoylethanolamide (PEA)	CAS:544-31-0
Molecular Formula:C18H37NO2	Molecular Weight:299.49
Quantity:500kg	Batch No.: 20201020
Date of manufacture:Oct.20.2020	Date of expiry: Oct.19.2022

Items	Specifications	RESULT	METHOD
Mark compound			
Assay	NLT 98.0%	98.8%	HPLC
Purity	NLT 99.0%	99.3%	HPLC
Physical & Chemical Control			
Appearance	White to off-white crystalline powder	Conforms	Visual
Loss on drying	NMT 1.0%	0.36%	USP731
Residue on ignition	NMT 0.5%	0.43%	USP281
Heavy metal control			
Total Heavy metals	NMT 10ppm	Conforms	USP231
Arsenic	NMT 2ppm	Conforms	ICP-MS
Lead	NMT 2ppm	Conforms	ICP-MS
Cadmium	NMT 1ppm	Conforms	ICP-MS
Mercury	NMT 0.5ppm	Conforms	AAS
Microbiology Control			
Total plate count	NMT 1000cfu/g	Conforms	USP2021
Yeast & Mold	NMT 100cfu/g	Conforms	USP2021
Salmonella	Negative	Conforms	USP2022
E.coli	Negative	Conforms	USP2022
Storage & Conclusion			
Packing Internal Double PE bag/External fiber drum Storage Preserve in well-sealed container under room temperature Conclusion The material complies with in-house standard.			
Analyst: Mr. Xin		Re-checker: Mrs. Yao	

