



Certificate of Analysis

Product and Batch Information			
Product Name:	Palmitoylethanolamide	Country of Origin:	P.R. China
CAS No.:	544-31-0	Molecular Weight:	299.5
Molecular Formula:	C ₁₈ H ₃₇ NO ₂	Batch:	CS-PEA-191124
Manufacture Date:	Nov 24, 2019.	Expiry Date:	Nov 23, 2021.
Item	Specification	Result	Test Method
Active Ingredients			
Assay(% On Dried Base)	NLT98.0%	99.87%	GC
Physical Control			
Appearance	Fine flaky crystal	Complies	Visual
Color	White to Off-white	Complies	Visual
Identification	Positive	Complies	IR&1H NMR
Loss on Drying	1.0% Max	0.20%	CPh
Residue on ignition	0.10% Max	0.03%	CPh
Chemical Control			
Heavy Metals	NMT10PPM	Conforms	CPh
Arsenic(As2O3)	NMT1PPM	Conforms	CPh
Sulfate(SO4)	NMT 0.020%	Conforms	CPh
Iron(Fe)	NMT10PPM	Conforms	CPh
Chloride(Cl)	NMT 0.020%	Conforms	CPh
Solvent Residual	Meeting USP Standard	Conforms	GC
Microbiological Control			
Total Plate Count	10,000cfu/g Max	Conforms	USP
Yeast & Mold	300cfu/g Max	Conforms	USP
Coliforms	10cfu/g Max	Conforms	BAM
E.Coli	Negative/10g	Conforms	USP
Salmonella sp.	Negative/25g	Conforms	USP
Staph Aureus	Negative/10g	Conforms	USP
Pseudomonas aeruginosa	Negative/25g	Conforms	USP
Packing and Storage			
Packing	Pack in paper-drums and a Aluminum foil lined-bags inside. 25Kg/Drum		
Storage	Store in a well-closed container away from moisture and direct sunlight.		
Shelf Life	2 years if sealed and stored properly.		

