

Specification

Product			
Product Name:	Palmitoylethanolamide		
CAS No.:	544-31-0	Molecular Weight:	299.5
Molecular Formular:	C ₁₈ H ₃₇ NO ₂	Country of Origin:	P.R. China
Assay/Test	Specification		Test Method
Active Ingredients			
Palmitoylethanolamide Assay (% On Dried Base)	98.0 %		HPLC
Physical Control			
Appearance	Fine powder		Visual
Color	White to off-white		Visual
Identification	Positive		IR&1H NMR
Loss on Drying	1.0% Max		CPh
Residue on ignition	0.1% Max		CPh
Chemical Control			
Heavy metals	NMT10PPM		CPh
Lead (Pb)	NMT1PPM		ICP-MS
Total Arsenic (As)	NMT1PPM		ICP-MS
Cadmium (Cd)	NMT1PPM		ICP-MS
Total Mercury (Hg)	NMT0.1PPM		ICP-MS
Sulfate (SO4)	NMT0.040%		CPh
Iron (Fe)	NMT10PPM		CPh
Chloride (Cl)	NMT 0.02%		CPh
Solvent Residual	Ethanol, ≤ 0.5%		GC
Microbiological Control			
Total Plate Count	1000cfu/g Max		AOAC
Yeast & Mold	100cfu/g Max		AOAC
<i>Escherichia coli</i>	Negative/10g		AOAC
<i>Salmonella species</i>	Negative/25g		AOAC

Package and Storage:

- 1.1 Pack in paper-drums and PE bags inside. 25kg/drum
- 1.2 Store in a well-closed container away from moisture and direct sunlight.
- 1.3 This material has a recommended shelf life of 2 years when stored in a cool, dry, light resistant environment.