

Certificate of Analysis

Product Name:	Palmitoylethanolamide (PEA)
CAS #:	544-31-0
Molecular Formula:	C18H37NO2
Molecular Weight:	299.49
Starting Material(s):	Palmitic Acid / Ethanolamine
Carriers:	None
Country of Origin:	China
Batch Number:	Varies
Manufacture Date:	Varies
Retest Date:	Varies

Test Results Obtained by PureBulk

ITEMS	SPECIFICATIONS	RESULTS
PEA (Palmitoylethanolamide) (HPLC)	≥98%	101.43% (on dry basis)
Loss on Drying (USP)	≤1%	0.38%
Arsenic	≤1 ppm	0.003 ppm
Cadmium	≤1 ppm	0.004 ppm
Lead	≤1 ppm	0.006 ppm
Mercury	≤0.5 ppm	0.002 ppm
Aerobic Plate Count	≤1000 cfu/g	<10 cfu/g
Coliforms	≤100 cfu/g	<10 cfu/g
<i>E. Coli</i>	Negative	Absent
<i>Staph aureus</i>	Negative	Absent
Yeast & Mold	≤100 cfu/g	<10 cfu/g
<i>Salmonella</i>	Negative	Absent
<i>Pseudo. aeruginosa</i>	Negative	Absent
Conclusion (PureBulk):	This product conforms to standards	

The following information is an indirect translation of information provided from the Manufacturer's Certificate of Analysis, and should not be used solely as an instrument for strict quality control.

ITEMS	SPECIFICATIONS	RESULTS
Identification	Correspond to reference standard	Conforms
Appearance	White to off-white powder	Conforms
Particle Size	100% through 40 mesh	Conforms
Residue on Ignition	≤1.0%	0.05%
Bulk Density	≥0.30 g/ml	0.46 g/ml
Residue Solvents	Methanol: ≤3000 ppm Ethanol: ≤5000 ppm	Conforms Conforms
Chloride (Cl)	≤0.02%	Conforms
Iron (Fe)	≤10 ppm	Conforms
Solubility	Slightly soluble in water	Conforms
Conclusion (Manufacturer):	This product conforms to enterprise standards	

Additional Information:	Non-Allergen BSE/TSE Free Gluten-Free Vegan/Vegetarian
Sterilization/Drying:	Ethanol Sterilization Vacuum Drying
GMO Statement:	Non-GMO
Storage Conditions:	Keep in sealed container under 25°C. Keep away from strong light, heat and moisture.

Purebulk.Inc verifies that the information contained herein is true and correct to the best of our knowledge.

Verified By: Candace Gibson / Nicole Rammage

(This document was produced electronically and is valid without signature.)