



Chem2Market GmbH Planckstraße 17 22765 Hamburg - DE info@plants2market.com +49 40 80 79 60 10

Technical Data Sheet

Palmitoylethanolamid (PEA) P. Palmitoylethanolamide (PEA) P.

PRODU	JCT	INFORMATION

CAS No 544-31-0 Sourced /Raw Material Palm Oil China

Carrier None

ITEM SPECIFICATION METHOD 98.0%-100.0% HPI C Assay **Appearance** White to Off-white Powder Visual Identification Positive IR&1H NMR Loss on Drying ≤1.0 % ChP ≤1.0 % ChP Residue on Ignition **Bulk Density** ≥0.3 g/ml ChP **Residue Solvents** ≤5000 ppm GC Sulfate ≤0.04% ICP-MS ICP-MS Iron ≤10ppm Chloride ≤0.02% ICP-MS

STATEMENTS

Contaminants According to Reg. (EC) 1881/2006 and amendments

Preservative Preservative Free

Residual Solvents According to Dir. (EC) 2009/32 and amendments
Pesticides According to Reg. (EC) 396/2005 and amendments

 $\label{eq:microbiology} \textit{Bacterial Count: TAMC-Bacteria} < 1,000 \ cfu/g, \ TYMC < 200 \ cfu/g, \ Coliforms \leq 10 \ cfu/g, \ Salmonella$

negative/25g, E. Coli negative/10g, S. Aureus negative/10g, Pseudimonas aeruginosa negative/25g

GMO GMO Free According to Reg. (EC) 1829/2003 and 1830/2003 and amendments

ETO ETO free Vegan Vegan

Sterilization Method High Temperature and Pressure

Irradiation No ionization or other radiation is permitted According to Dir. (EC) 1999/2 and 1999/3 and amendments

BSE/TSE Risk Free BSE/TSE

Allergen free according to Reg. (EC) 1169/2011

Nanomaterials Absent According to Reg. (EC) 1169/2011
Titanium dioxide Absent According to Reg. (EC) 2022/63

Packaging According to Reg. (EC) Nr. 10/2011 and 1935/2004

STORAGE AND HANDLING

Storage Store in a well-closed container away from moisture and direct sunlight

Shelf Life 2 years if sealed and properly stored





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Nutritional Values

					Per 10
Nutrient	Amount	Source (A or C)	Nutrient	Amount	Source (A or C)
*Calories	0	İ	Niacin (mg NE)	0	1
Total Fat (g)	0	İ	Vitamin B 6 (mg)	0	
Saturated Fat (g)	0		Folic Acid (mcg DFE)	0	
Polyunsaturated Fat (g)	0		Vitamin B 12 (mcg)	0	
Monounsaturated Fat (g)	0		Biotin (mcg)	0	
Trans-fat (g)	0		Pantothenic Acid(mg)	0	
Cholesterol (mg)	0	Ī	Phosphorus (g)	0	С
Sodium (mg)	≤10	Ī	lodine (mcg)	0	
Potassium (mg)	0	Ī	Magnesium (mg)	11	
Total Carbohydrate(g)3	0		Zinc (mg)	0	
*Dietary Fiber (g)	0	İ	Selenium (mcg)	0	
Soluble Fiber (g)	0	<u> </u>	Copper (mg)	0	
Insoluble Fiber (g)	0	Ī	Manganese (mg)	0	
Sugar (g)	0		Chromium (mcg)	0	
Added Sugar(g)	0		Molybdenum (mcg)	0	
Moisture(g)	≤0.24	İ	Chloride (mg)	≤20	
Ash(g)	≤1.0		All other nutrients	0	
Protein (g)	0	I	or Dietary		
Vitamin A (mcg RAE)	0		Ingredients:		
Vitamin C	0	T	Caffeine	0	
Calcium (g)	0	Ī	Lactose	0	
Iron (mg)	0				
Vitamin D (mcg)	0	I			
Vitamin E (mg)	0				
Vitamin K (mcg)	0				
Thiamin (mg)	0	I			
Riboflavin (mg)	0				





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Flow Chart of Palmitoylethanolamide (PEA)

Mixed Unsaturated Fatty Acid → Crude Palmitic Acid (Vacuum Distillation) →Pure Palmtic Acid (Crystallization) →:Palmitoyl Chloride (by Phosgenation reaction)

the starting Raw material is: Palm Oil

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