



Organic Palm Fruit Oil, RBD

INCI: Elaeis guineensis (Palm) Oil

Specifications

Description:	Premium organic vegetable oil; semi solid at room temperature; yellow in color; neutral taste.
Manufacturing Process:	Refining, bleaching and deodorization of expeller pressed organic palm fruit oil.
Applications:	Blended shortenings, margarine, fryers and for soap and cosmetics.
Storage Conditions:	Preferably cool and dry.
Shelf Life:	12 months after production

Physical and Chemical Properties

<u>Test</u>	<u>Minimum</u>	<u>Maximum</u>	<u>Method</u>
% FFA as Palmitic Acid:		0.10	AOCS Ca 5a-40
Moisture and Volatile Matter, (%):		0.05	AOCS Ca 2c-25
Impurities, (%):		0.05	AOCS Ca 3-46
Lovibond Color (5 ¼"):		2.0 R	AOCS Cc 13e-92
Peroxide Value, (mq O₂/1000g):		1.0	AOCS Cd 8-53
Iodine Value, (g/100 g):	50	53	AOCS Cd 1-25
Slip Melting Point, (°C):	36	38	AOCS Cc 3-25
Solid Fat Content, (%):			AOCS Cd 16-81
N 10 °C	52	60	
N 20 °C	25	33	
N 30 °C	8	12	
N 35 °C	4	7	
Fatty Acid Profile, (%):			AOCS Ce 1-62
Caprylic (C8:0)			
Capric (C10:0)			
Lauric (C12:0)	0.2	0.5	
Myristic (C14:0)	1.0	1.5	
Palmitic (C16:0)	43	45	
Stearic (C18:0)	3.0	4.5	
Oleic (C18:1)	38	41	
Linoleic (C18:2)	9	11	
Linolenic (C18:3)		0.4	
Arachidic (C20:0)		0.4	
Saponification Value, (mg KOH /g):	195	205	AOCS Cd 3-25



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Microbiological Specifications

Aerobic Mesophilic (cfu/g):	10 X 10 ³	Plate Count
E. Coli/g:	Absent	Tube Count
Salmonella/25g:	Absent	Isolation and identification
Yeast & Molds, (cfu/g):	< 10	Plate Count
Staphylococcus aureus, (cfu/g):	< 100	Plate Count

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