

PALMAC® Fatty Acid Specifications



PRODUCT NAME	DESCRIPTION	TITRE°C	IODINE VALUE gI ₂ /100g	ACID VALUE mg KOH/g	SAP VALUE mg KOH/g	COLOUR 5 1/4" LOV. Max.	COLOUR APHA Max.	TYPICAL FATTY ACID COMPOSITION %										PACKING
								C6	C8	C10	C12	C14	C16	C18	C18:1	C18:2	OTHERS	
PALMAC 505	Distilled Palm Kernel Fatty Acids	20.0 - 28.0	14.0 - 19.0	248.0 - 262.0	249.0 - 263.0	10Y 1.0R		0.5 Max.	2.0 - 5.0	2.0 - 5.0	48.0 - 56.0	13.0 - 17.0	7.0 - 10.0	1.0 - 3.0	10.0 - 15.0	1.0 - 3.0	1.0 Max.	185 Kg D
PALMAC 98 - 06	Caproic Acid 98% Min.		2.0 Max.	470.0 Min.	471.0 Min.		100	98.0 Min.	2.0 Max.	0.5 Max.							1.0 Max.	180 Kg P
PALMAC 99 - 06	Caproic Acid 99% Min.		1.0 Max.	470.0 Min.	471.0 Min.		60	99.0 Min.	1.0 Max.								1.0 Max.	180 Kg P
PALMAC 56 - 08	Caprylic - Capric Acid Blend	6.0 Max.	1.0 Max.	352.0 - 365.0	354.0 - 367.0	3Y 0.5R	60	0.5 Max.	50.0 Min.	35.0 - 45.0	1.0 Max.						1.0 Max.	180Kg D
PALMAC 99 - 08	Caprylic Acid 99% Min.	15.0 - 18.0	0.5 Max.	383.0 - 390.0	384.0 - 391.0	3Y 0.3R	60	0.5 Max.	99.0 Min.	1.0 Max.							1.0 Max.	180 Kg D
PALMAC 99 - 10	Capric Acid 99% Min.	30.0 - 32.0	0.5 Max.	321.0 - 329.0	322.0 - 330.0	3Y 0.3R	60		1.0 Max.	99.0 Min.	1.0 Max.						1.0 Max.	180 Kg D
PALMAC 70 - 12	Lauric Acid 70% Min.	32.0 - 36.0	1.0 Max.	267.0 - 275.0	268.0 - 276.0	2Y 0.2R	40				2.0 Max.	70.0 Min.	23.0 - 28.0	4.0 Max.			1.0 Max.	185 Kg D
PALMAC 98 - 12	Lauric Acid 98% Min.	42.0 - 44.0	0.5 Max.	278.0 - 282.0	279.0 - 283.0	2Y 0.2R	40				1.0 Max.	98.0 Min.	2.0 Max.				1.0 Max.	25 Kg B
PALMAC 99 - 12	Lauric Acid 99% Min.	42.0 - 44.0	0.5 Max.	278.0 - 282.0	279.0 - 283.0	2Y 0.2R	40				1.0 Max.	99.0 Min.	1.0 Max.				1.0 Max.	25 Kg B
PALMAC 98 - 14	Myristic Acid 98% Min.	52.0 - 54.0	0.5 Max.	243.0 - 248.0	244.0 - 249.0	2Y 0.2R	40				2.0 Max.	98.0 Min.	2.0 Max.				1.0 Max.	25 Kg B
PALMAC 99 - 14	Myristic Acid 99% Min.	52.0 - 54.0	0.5 Max.	243.0 - 248.0	244.0 - 249.0	2Y 0.2R	40				1.0 Max.	99.0 Min.	1.0 Max.				1.0 Max.	25 Kg B

We Specialise In Producing To Customer Specifications

PALMAC 600	Distilled Palm Fatty Acids	40.0 - 48.0	48.0 - 55.0	195.0 - 215.0	196.0 - 216.0	10Y 1.5R					1.0 Max.	3.0 Max.	38.0 - 48.0	3.0 - 8.0	35.0 - 45.0	6.0 - 12.0	1.5 Max.	185 Kg D
PALMAC 605	Distilled Palm Fatty Acids	48.0 - 53.0	30.0 - 39.0	206.0 - 216.0	207.0 - 217.0	10Y 1.0R					1.0 Max.	2.0 Max.	55.0 - 65.0	4.0 - 8.0	20.0 - 32.0	3.0 - 9.0	1.5 Max.	185 Kg D
PALMAC 630	Palm Triple Pressed Acid	54.0 - 57.0	0.5 Max.	207.0 - 212.0	208.0 - 213.0	2Y 0.2R	60					2.0 Max.	58.0 - 62.0	38.0 - 42.0	0.5 Max.		1.0 Max.	25 Kg B
PALMAC 640	Palmitic Acid 60% Min.	54.0 - 56.0	0.5 Max.	207.0 - 213.0	208.0 - 214.0	2Y 0.2R	60				2.0 Max.	3.0 Max.	60.0 - 65.0	30.0 - 38.0	0.5 Max.		1.0 Max.	25 Kg B
PALMAC 55 - 16	Palm Triple Pressed Acid	55.0 - 56.5	0.5 Max.	205.0 - 211.0	206.0 - 212.0	2Y 0.2R	40				1.0 Max.	2.0 Max.	52.0 - 56.0	42.0 - 47.0	0.5 Max.		1.0 Max.	25 Kg B
PALMAC 80 - 16	Palmitic Acid 80% Min.	55.0 Min.	15.0 Max.	212.0 - 222.0	213.0 - 225.0	1. 0R					2.0 Max.	5.0 Max.	80.0 Min.	2.0 Max.	5.0 - 11.0	3.0 Max.	1.0 Max.	25 Kg B
PALMAC 95 - 16	Palmitic Acid 95% Min.	60.0 - 63.0	0.5 Max.	217.0 - 220.0	218.0 - 221.0	2Y 0.2R	40				1.0 Max.	2.0 Max.	95.0 Min.	3.0 Max.			1.0 Max.	25 Kg B
PALMAC 98 - 16	Palmitic Acid 98% Min.	61.0 - 63.0	0.5 Max.	217.0 - 220.0	218.0 - 221.0	2Y 0.2R	40					1.0 Max.	98.0 Min.	1.0 Max.			1.0 Max.	25 Kg B
PALMAC 50 - 18	Stearic Acid 50% Min.	55.0 - 58.0	1.0 Max.	205.0 - 208.0	206.0 - 209.0	2Y 0.2R	50					1.0 Max.	44.0 - 49.0	50.0 - 56.0	1.0 Max.		1.0 Max.	25 Kg B
PALMAC 65 - 18	Stearic Acid 65% Min.	58.0 - 62.0	1.0 Max.	200.0 - 207.0	201.0 - 208.0	2Y 0.2R	50				1.0 Max.	30.0 - 35.0	65.0 - 70.0	1.0 Max.			1.0 Max.	25 Kg B
PALMAC 70 - 18	Stearic Acid 70% Min.	59.0 - 63.0	1.0 Max.	200.0 - 207.0	201.0 - 208.0	2Y 0.2R	50				1.0 Max.	24.0 - 30.0	70.0 - 75.0	1.0 Max.			1.0 Max.	25 Kg B
PALMAC 90 - 18	Stearic Acid 90% Min.	65.0 - 68.0	1.0 Max.	196.0 - 202.0	197.0 - 203.0	2Y 0.2R	60						4.0 - 7.0	92.0 Min.	1.0 Max.		1.5 Max.	25 Kg B
PALMAC 98 - 18	Stearic Acid 98% Min.	67.0 - 69.0	1.0 Max.	194.0 - 198.0	195.0 - 199.0	2Y 0.2R	60						2.0 Max.	98.0 Min.	1.0 Max.		1.5 Max.	25 Kg B
PALMAC 1400	Stearic Acid I.V. 3 Max.	52.0 Min.	3.0 Max.	200.0 Min.	200.0 Min.	20Y 2.0R							VARIABLE					25 Kg B
PALMAC 1500	Rubber Grade Stearic Acid	52.0 Min.	6.0 Max.	195.0 Min.	196.0 Min.	20Y 2.0R							VARIABLE					25 Kg B
PALMAC 1600	Rubber Grade Stearic Acid	52.0 Min.	6.0 Max.	195.0 Min.	196.0 Min.	6 Gardner							VARIABLE					25 Kg B
PALMAC 750	Oleic Acid 72% Min.	8.0* Max.	88.0 - 95.0	195.0 - 205.0	197.0 - 207.0	15Y 2.0 R		←			13.0 Max.	→			72.0 Min.	13.0 Max.	1.0 Max.	185 Kg D
PALMAC 760	Oleic Acid 75% Min.	7.0* Max.	88.0 - 95.0	195.0 - 205.0	197.0 - 207.0	8Y 1.0R		←			12.0 Max.	→			75.0 Min.	13.0 Max.	1.0 Max.	185 Kg D
PALMAC 770	Oleic Acid 80% Min.	9.0* Max.	94.0 - 102.0	194.0 - 204.0	195.0 - 205.0	10Y 1.5 R		←			6.0 Max.	→			80.0 Min.	14.0 Max.	1.0 Max.	185 Kg D

Glycerine Specifications

PRODUCT NAME	DESCRIPTION	IDENTIFICATION TEST	SPECIFIC GRAVITY 25°/25°C	COLOUR APHA Max.	RESIDUE ON IGNITION Max.	SULPHATE ppm Max.	CHLORIDE ppm Max.	HEAVY METALS ppm Max.	LIMIT OF CHLORINATED COMPOUNDS ppm Max.	FA & ESTERS ml of 0.5N NaOH Max.	ASSAY	WATER	RELATED COMPOUNDS	PACKING
GLY. 99.7% Min. USP	Natural Glycerine 99.7% Min.	Pass	1.2612 Min.	5	0.01%	20	10	5	30	1	99.7% Min.	0.3% Max.	1.0% Max.	250 Kg D
GLY. 99.5% Min. USP	Natural Glycerine 99.5% Min.	Pass	1.2606 Min.	5	0.01%	20	10	5	30	1	99.5% Min.	0.5% Max.	1.0% Max.	250 Kg D

PRODUCT NAME	DESCRIPTION	IDENTIFICATION TEST	REFRAC. INDEX nD20	COLOUR APHA Max.	SUPHATED ASH Max.	CHLORIDES ppm Max.	HEAVY METALS ppm Max.	SUGARS	HALOGENATED COMPOUNDS ppm Max.	ALDEHYDES ppm Max.	ESTERS ml of 0.1M HCl Min.	ACIDITY 0.1M NaOH Max.	ASSAY	WATER	IMPURITY A & RELATED SUBSTANCES	PACKING
GLY. 99.7% Min. BP	Natural Glycerine 99.7% Min.	Pass	1.4734 Min.	5	0.01%	10	5	Pass	35	10	8.0	0.2	99.7% Min.	0.3% Max.	0.5% Max.	250 Kg D
GLY. 99.5% Min. BP	Natural Glycerine 99.5% Min.	Pass	1.4730 Min.	5	0.01%	10	5	Pass	35	10	8.0	0.2	99.5% Min.	0.5% Max.	0.5% Max.	250 Kg D

B - Polyethylene- laminated bags
D - Steel drums
(polyethylene / epoxy lined)
P - Plastic drums

* Cloud Point
R - Red
Y - Yellow

We offer a comprehensive range of vegetable derived fatty acids and glycerine for industrial and edible purposes. PALMAC® fatty acids and glycerine can be supplied as Halal, food and Kosher grades carrying the (K) (P) Seal of Kashruth

IOI Oleochemical Industries Berhad. All rights reserved.

