



OLEOCHEMICALS

Fatty Alcohols, Fatty Acids and Glycerine



ace prima resources sdn bhd

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ABOUT US

Incorporated in Malaysia, the company has been in business exporting Palm Oil downstream and derivatives products, since 2009. We supply a variety of Palm Oil downstream products which include Oleochemicals namely Fatty Acid, Fatty Alcohol, Palm Esters, Glycerine, Food Ingredients such as Emulsifiers, Specialty Triglycerides - MCTs and Specialty Blends for food application, Surfactant for home and personal care.

Ace Prima Resources facilities are also fully compliant to ISO 9001, the internationally recognized standard for quality management system, and all products are HALAL and KOSHER certified. We are also registered MPOB.

LICENCES & MEMBERSHIP & CERTIFICATION

- Malaysian External Trade Development Corporation (MATRADE)
- Malaysian Palm Oil Board
- Kuala Lumpur and Selangor Indian Chamber of Commerce
- Roundtable On Sustainable Palm Oil
- ISO 9001:2015
- GMP
- HACCP



Management Systems Certification Body

FATTY ALCOHOLS

They are commonly used in the production of various personal care and home care products. Palm-based fatty alcohols are known for their excellent emollient and thickening properties, as well as their ability to stabilize formulations.



Product Code	Description	Appearance	Packing	AV	SV	IV	HV	Water % (Max)	Titre (°C)	CARBON CHAIN DISTRIBUTION (%)							
										C6	C8	C10	C12	C14	C16	C18	C20
CAXANOL C0899	Octyl	Clear liquid	Bulk/175kg drum	≤0.1	≤0.5	≤0.2	425-432	≤0.2	17 (approx)	≤1	≥99	≤1	-	-	-	-	-
CAXANOL C1098	Decyl	Clear liquid	Bulk/175kg drum	≤0.1	≤0.5	≤0.5	345-360	≤0.1	4-7	-	≤1	≥98	≤1	-	-	-	-
CAXANOL C1299	Lauryl	Clear liquid	Bulk/175kg drum	≤0.1	≤0.4	≤0.2	298-302	≤0.1	20-24	-	-	≤1	≥99	≤1	-	-	-
CAXANOL C1498	Myristyl	Clear liquid	Bulk/175kg drum	≤0.1	≤0.5	≤0.3	225-262	≤0.1	36-38	-	-	-	≤2	≥98	≤2	-	-
CAXANOL C1698	Cetyl	Solid waxy pastil	Bulk/25kg bags	≤0.1	≤0.5	≤0.5	220-235	≤0.3	47-50	-	-	-	-	≤2	≥98	≤2	-
CAXANOL C1898	Stearyl	Solid waxy pastil	Bulk/25kg bags	≤0.1	≤0.5	≤0.7	206-210	≤0.3	56-59	-	-	-	-	-	≤2	≥98	-
CAXANOL C1618 30:70	Cetyl-stearyl	Solid waxy pastil	Bulk/25kg bags	≤0.1	≤1.0	≤0.5	210-220	≤0.2	50-54	-	-	-	-	≤3	22-32	66-75	≤3
CAXANOL C1618 50:50	Cetyl-stearyl	Solid waxy pastil	Bulk/25kg bags	≤0.1	≤1.0	≤0.5	≤0.1	≤0.3	48-53	-	-	-	≤3	≤3	45-55	45-55	-

* AV = Acid Value - mg KOH/g (Max) | SV = Saponification Value - mg KOH/g (Max) | IV = Iodine Value - g I₂/100 g (Max) | HV = Hydroxyl Value - mg KOH/g

FATTY ACID

This is appropriate for various applications such as food, pharmaceuticals, and personal care. It can be utilized either in its original form or as a modified version. Fatty acids are present in a wide range of products, including plastics, rubber, textiles, lubricants, metalworking fluids, crayons, candles, biocides, paints, inks, and many more.



Product Code	Description	Packing	AV	SV	IV	Titre (°C)	Lovibond 5.25"		TYPICAL FATTY ACIDS COMPOSITION (%)												
							RED	YELLOW	C6	C8	C10	C12	C14	C16	C18	C18:1	C18:2	C18:3	C20	OTHERS	
CAXACID 0699	Caproic Acid 99%	Bulk/180kg drum	≥470	-	≤2	-	≤0.5	≤5	≥99	-	-	-	-	-	-	-	-	-	-	-	≤1
CAXACID 0899	Caprylic Acid 99%	Bulk/180kg drum	385-391	386-392	≤0.3	14-17	-	-	≤1	≥99	≤1	-	-	-	-	-	-	-	-	-	-
CAXACID 1098	Capric Acid 99%	Bulk/180kg drum	324-326	325-327	≤0.2	30-32	≤0.2	≤1	-	≤2	≥98	≤2	-	-	-	-	-	-	-	-	-
CAXACID 0810	Caprylic-Capric Acid	Bulk/180kg drum	354-367	355-368	≤0.5	5 (approx)	≤0.5	≤2	≤0.5	55-62	38-44	≤0.5	-	-	-	-	-	-	-	-	-
CAXACID 1299	Lauric Acid 99%	Bulk / 25kg bags	278-282	279-283	≤0.5	42-45	≤0.2	≤2	-	-	≤1	≥99	≤1	-	-	-	-	-	-	-	-
CAXACID 7012	Lauric 70%	Bulk / 25kg bags	265-272	266-273	≤1.0	30-38	≤0.5	≤5	≤1.5	≤1.5	≤1.5	65-71	24-32	≤6	≤1	≤1	≤1	≤1	≤1	≤1	-
CAXACID 1499	Myrsitic Acid 99%	Bulk / 25kg bags	244-248	245-249	≤0.5	52-54	≤0.2	≤2	-	-	-	≤1	≥99	≤1	-	-	-	-	-	-	-
CAXACID 1698	Palmitic 98%	Bulk / 25kg bags	217-221	218-222	≤1.0	61-63	≤0.2	≤2	-	-	-	-	≤2	≥98	≤2	-	-	-	-	-	-
CAXACID 1838	Stearic Acid 38%	Bulk / 25kg bags	207-214	208-215	≤0.5	53-56	≤0.3	≤3	-	-	-	≤1	≤2	55-62	38-42	≤1	-	-	-	≤1	≤0.5
CAXACID 1845	Stearic Acid 45%	Bulk / 25kg bags	206-213	207-214	≤0.5	53-57	≤0.3	≤2	-	-	-	≤1	≤2	52-58	40-45	≤1	≤1	≤1	≤1	≤1	-
CAXACID 1855	Stearic Acid 55%	Bulk / 25kg bags	204-210	205-211	≤0.7	55-58	≤0.3	≤3	-	-	-	≤2	≤2	41-47	52-58	-	-	-	-	≤1	-
CAXACID 1865	Stearic Acid 65%	Bulk / 25kg bags	199-209	200-210	≤1.0	57-63	≤0.5	≤3	-	-	-	≤2	≤2	29-36	62-68	-	-	-	-	-	-
CAXACID OL75	Oleic Acid 75%	Bulk/180kg drum	195-204	195-205	≤98	≤8.5	≤1	≤5	-	-	-	-	≤5	≤2	≤4	≥75	≤13	≤1	-	-	≤1
CAXACID PK818	Palm Kernel Fatty Acids	Bulk/180kg drum	248-262	249-263	14-19	22-26	≤0.5	≤5	≤1	1-5	1-5	45-50	14-18	7-13	1-4	12-19	1-3	≤0.5	≤0.5	-	-
CAXACID K818	Coconut Fatty Acids	Bulk/180kg drum	266-276	267-278	6-10	21-26	≤0.5	≤5	≤1	2-10	4-8	45-53	17-21	7-13	≤3	3-9	≤2	-	-	-	-
CAXACID HK818	Hydrogenated Coconut Fatty Acid	Bulk/180kg drum	266-276	267-277	≤0.5	24-29	≤0.5	≤2	≤1	2-10	4-8	45-55	17-21	7-13	7-14	-	-	-	-	-	-
CAXACID PK1218	Topped Palm Kernel Fatty Acids	Bulk/180kg drum	248-258	249-259	1-22	24-28	≤0.5	≤5	-	-	-	-	≤4	7-13	1-3	14-20	2-4	≤0.5	-	-	-
CAXACID K1218	Topped Coconut Fatty Acids	Bulk/180kg drum	251-261	252-262	7-12	-	≤0.8	≤6	-	-	-	51-58	18-23	8-13	≤4	7-11	≤0.3	-	-	-	-
CAXACID HK1218	Topped Hydrogenated Coconut Fatty Acids	Bulk/180kg drum	251-263	251-263	≤0.5	28-32	≤0.5	≤2	-	-	-	51-64	16-25	6-12	6-12	-	-	-	-	-	-

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GLYCERINES

It is a highly versatile and multi-functional product that meets various industry standards, making it suitable for use in pharmaceuticals, personal care products, and other industries such as surface coatings, paper, and textiles. Glycerine is widely used due to its excellent moisturizing properties, which makes it a valuable ingredient in skincare products. Additionally, it is a sustainable and eco-friendly alternative to glycerine derived from animal fats.



Product Name: CRUDE GLYCERINE (CG)

Parameter	Specification	Test Method
Glycerine Content (%)	≥80	Titration
Water (%)	≤15	Karl Fischer
Salt (%)	≤7.0	Titration
MONG (%)	≤5	ISO 2464
Methanol (%)	≤0.1	GC
Ash (%)	≤7.0	Titration

Product Name: CAXFINE RG997USP

Description: GLYCERINE 99.7% MIN USP GRADE

Parameter	Specification	Test Method
Glycerine Content (%)	80-85	Titration
Water (%)	8.0-13.0	Karl Fischer
Salt (%)	≤5.0	Titration
MONG (%)	≤2	ISO 2464
Methanol (%)	≤0.1	GC
Ash (%)	≤7.0	Titration
Appearance	Not Darker than Colour Standard	Visual
Odour	Typical Odour	Sensory
Assay (%)	≥99.7	USP 41
Fatty Acids & Ester (ml 0.5M NaOH/50g)	≤1.0	USP 41
Colour (APHA)	≤10	ASTM D1209-1993
Chlorides (ppm)	≤10	USP 41
Sulphate (ppm)	≤20	USP 41
Water (%)	≤0.3	USP 41
Residue on ignition (%)	≤0.01	USP 41
Identification A (Infra Red Absorption)	Pass	USP 41
Identification C (Chromatography)	Pass	USP 41
Diethylene Glycol (wt%)	≤0.1	USP 41
Ethylene Glycol (wt%)	≤0.1	USP 41
Individual Impurities (wt%)	≤0.1	USP 41
Total impurities (wt%)	≤1.0	USP 41
Chlorinated compounds (ppm Cl)	≤30	USP 41
Arsenic (ppm)	≤1.5	USP 41
Specific Gravity (25/25C)	≥1.249	USP 41

Product Name: CAXFINE RG997BP

Description: REFINED GLYCERINE 99.7% BP GRADE

Parameter	Specification	Test Method	Typical Result
Assay (%)	98.0-101.0	BP 2022	99.84
CHARACTERS			
Aspect	Passed	BP 2022	Passed
Solubility	Passed	BP 2022	Passed
IDENTIFICATION			
- A (Refractive Index)	1.470-1.475	BP 2022	1.473
- B (IR)	Passed	BP 2022	Passed
- C (Relative Density)	1.258-1.268	BP 2022	1.262
TESTS			
Appearance of Solution	Colourless	BP 2022	Colourless
Acidity or Alkalinity (ml of 0.1M Sodium Hydroxide)	≤0.2	BP 2022	0.1 ml of 0.1M NaOH was consumed
Refractive Index	1.470-1.475	BP 2022	1.473
Aldehydes (ppm)	≤10	BP 2022	≤10
Esters (ml of 0.1M Hydrochloric Acid)	≥8.0	BP 2022	9.0 ml of 0.1M HCL was consumed
IMPURITY A AND RELATED SUBSTANCES			
Impurity A (%)	≤0.1	BP 2022	≤0.1
Any other impurity (%)	≤0.1	BP 2022	≤0.1
Total of All Impurities (%)	≤0.5	BP 2022	≤0.5
Disregard limit (%)	≤0.05	BP 2022	≤0.05
Halogenated Compounds (ppm)	≤35	BP 2022	≤35
Sugars	Passed	BP 2022	Passed
Chlorides (ppm)	≤10	BP 2022	≤10
Water (%)	≤2.0	BP 2022	0.12
Sulphated Ash (%)	≤0.01	BP 2022	≤0.01
Identification D (Acrolein Vapour Test)	Passed	BP 2016	Passed
Heavy Metals (%)	≤5	BP 2016	≤5



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