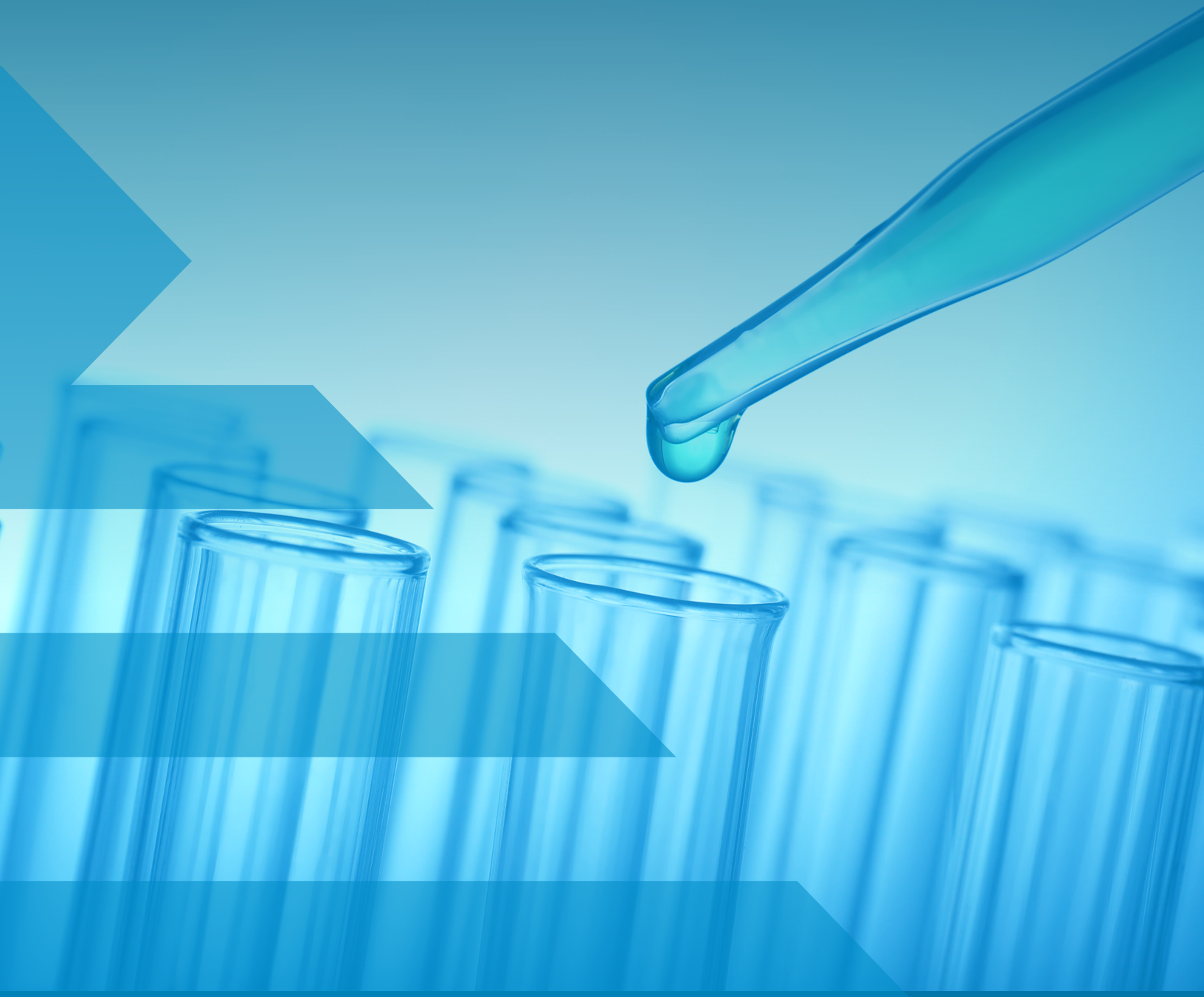




CREMER

The world is our market

GLOBAL OLEOCHEMICAL SOLUTIONS



FATTY ACIDS

PRODUCT	Fatty Acid Type	Moisture %	Titer °C	Iodine Value	Acid Value	Sap. Value	Color Lovibond Y/R	Transmittance at 440nm/550nm	Fatty Acid Composition in %												Other Chain Links	CAS Number
									C6	C8	C10	C12	C14	C16	C16+	C18	C18:1	C18:2	C18:3	C20		
DISTILLED FATTY ACIDS																						
Coconut Oil Based																						
FA C818D	Distilled	0.3 max	NR	1 max	266–274	NR	NR	75/90 min		9 max	5–10	46–58	16–23	6–11		8 max	6.5 max	1 max				67701-05-7
FA C818H	Partially Hydrogenated	0.3 max	NR	1 max	266-274	NR	NR	85/95 min		5-8.5	5–10	46–58	16–23	6–11		8 max	5 max	1 max				67701-05-7
FA C818DH	Fully Hydrogenated	0.3 max	23-29	1 max	260–275	261–277	5.0/0.5 max	90/97 min		8.5 max	5–9	46–55	15–20	7–12		6–16	1 max	0.5 max				67701-05-7
FA C1218DH	Fully Hydro Top Cut	0.3 max	NR	1 max	250-260	Report	NR	90/95 min		C10 & lower 1 max		50–65	18-26	5–12		8-12	Report			Report		67701-05-7
Soybean Oil Based																						
FA S1884	Distilled	0.3 max	NR	127 min	197-203	Report	NR	NR				NR	NR	(11)		(4)	(24)	(52)	(8)	(0.3)		67701-08-0
FRACTIONATED FATTY ACIDS																						
LC 899	Caprylic Acid	NR	15–18	0.5 max	383–390	NR	5/0.5 max		1 max	99 min	1 max	NR										124-07-2
LC 810L	Caprylic/Capric Acid	0.2 max	7.0 max	0.5 max	352–365	354–367	5/0.5 max		0.5 max	53 min	35–45	1.5 max										67762-36-1
LC 1099	Capric Acid	NR	30–32	0.5 max	321–329	321-330	4.0/0.5 max		NR	1.0 max	99.0 min	1 max										334-48-5
FA 1299	Lauric	Report	42–44	0.5 max	277-282	Report	2/0.2 max	90/98 min			1 max	98.5 min	1.5 max									143-07-7
FA 1498	Myristic	Report	53-55	0.5 max	244-248	245-249	2/0.2 max	NR				1 max	98 min	2 max								544-63-8
FA 1695V	Palmitic Acid	0.3 max	58-63	0.5 max	217-222	NR	3/0.3 max	93 min				1 max	5 max	95 min		5 max					NR	57-10-3
FA 1890V	Stearic Acid	0.3 max	NR	1.5 max	195-203	NR	5/0.5 max	80/95 min						NR		87 min	2.0 max				NR	57-11-4
STEARIC ACID																						
Vegetable Based																						
FA 1655V	Triple Pressed	Report	54-57	0.5 max	205-211	206-211	5/0.5 max	85/95 min				NR	NR	50-56		44-50						67701-03-5
FA 1855V	Double Pressed	0.3 max	(55)	0.5 max	205-211	NR	5/0.5 max	85/95 min				1 max	2 max	42–50		50-55	1 max				NR	67701-03-5
OLEIC ACID																						
Vegetable Based																						
OLS 70	Single Distilled	0.3 max	9 max	90 min	195–205	NR	10/1 max	NR				C 14 and Lower 2 max		7 max		2 max	75 min	14 max	NR	NR	1.5 max	67701-08-0

GLYCERIN, PROPYLENE GLYCOL

PRODUCT	Glycerine Content	Specific Gravity 25°/25°C	Color APHA max	Residue on ignition max	Chlorides ppm max	Sulfates ppm max	Chlorinated Compounds ppm max	Fatty Acids & Esters	Assay (Anhydrous)	Moisture Value	Residual Solvent	Elemental Impurities	Related Compounds	Identification A FTIR	Identification B	Identification C	CAS Number
Food Grade 99.7 USP Glycerin	99.7% min	1.2613 min	20 max	0.01% max	10 ppm max	20 ppm max	30 ppm max	1 ml max	99.0–101.0	0.3 max	Compliant to USP <467>	Compliant to USP <232/233>	Individual Impurity ≤ 0.1% Sum of all impurities ≤ 1.0%	Passes test as Glycerin	DEG Impurity ≤ 0.1% EG Impurity ≤ 0.1%	Passes test as Glycerin	56-81-5
Food Grade 99.7 USP Kosher Glycerin	99.7% min	1.2613 min	20 max	0.01% or 100 ppm max	0.001% or 10 ppm max	0.002% or 20 ppm max	0.003% or 30 ppm max	1 ml max	99.0–101.0	0.3 max	Compliant to USP <467>	Compliant to USP <232/233>	Individual Impurity ≤ 0.1% Sum of all impurities ≤ 1.0%	Passes test as Glycerin	DEG Impurity ≤ 0.1% EG Impurity ≤ 0.1%	Passes test as Glycerin	56-81-5
Food Grade 99.7 USP Kosher for Passover Glycerin	99.7% min	1.2613 min	20 max	0.01% max	10 ppm max	20 ppm max	30 ppm max	1 ml max	99.0–101.0	0.3 max	Compliant to USP <467>	Compliant to USP <232/233>	Individual Impurity ≤ 0.1% Sum of all impurities ≤ 1.0%	Passes test as Glycerin	DEG Impurity ≤ 0.1% EG Impurity ≤ 0.1%	Passes test as Glycerin	56-81-5
Food Grade 96.0 USP Kosher Glycerin	96% min	1.2517–1.2531	20 max	0.01% max	10 ppm max	20 ppm max	30 ppm max	1 ml max	99.0–101.0	4.0 max	Compliant to USP <467>	Compliant to USP <232/233>	Individual Impurity ≤ 0.1% Sum of all impurities ≤ 1.0%	Passes test as Glycerin	DEG Impurity ≤ 0.1% EG Impurity ≤ 0.1%	Passes test as Glycerin	56-81-5
Rapeseed Ph. Eur. Glycerin 86.5%	85-88%		10 max		10 max	0.01 max	10 max	8 min		12-15				Passes test as Glycerin	Passes test as Glycerin	Passes test as Glycerin	56-81-5
Rapeseed Ph. Eur. Glycerin 99.5%	99.50% min		10 max		10 max	0.01 max	10 max	8 min		0.5 max				Passes test as Glycerin	Passes test as Glycerin	Passes test as Glycerin	56-81-5
Crude Glycerin	Request a Spec																

PRODUCT	Assay		Specific Gravity 25°/25°C	Moisture %	Color APHA	Acidity as Acetic Acid, wt. %	Distillation range 760 mm, °C		Chlorides	Sulfates	Heavy Metals	Arsenic as As	Residue on Ignition	Refractive Index	ID by IR	Odor	Appearance	Iron	CAS Number
	PG wt. %	DPG wt. %					IBP	DP											
Propylene Glycol USP Kosher	99.5% min	0.50%	1.030-1.040	0.2 max	10 max	0.011 max	NR	NR	70 ppm max	60 ppm max	NR	NR	0.007 max	NR	Pass	Practically none	Clear, Free of suspended matter	NR	57-55-6
Propylene Glycol Industrial Grade	99.0%	Density @ 20C	NR	0.2 max	10 max	0.005 max	NR	NR	70 ppm max								Clear, Free of suspended matter	NR	57-55-6

FATTY ALCOHOLS

PRODUCT	Type	Sap. Value	Acid Value	Moisture Value	Iodine Value	Hydroxyl Value	Melting Point	Color, APHA	Residue on Ignition (%)	Unspecified Impurities	Related Alcohols & Unspecified Impurities	Color Appearance	Saturated						Hydrocarbon	CAS Number	
													C8	C10	C12	C14	C16	C18			C20
AL 1214	Lauryl	0.5 max	0.1 max	0.10 max	0.3 max	280–290	(22)	10 max	0.1 max	1 max	10.0 max	Water White Mobile Liquid	0.3 max	1.0 max	65 min	21–28	4-8	0.5 max		1.0 max	67762-41-8
AL 1695 NF	Cetyl	1.0 max	0.5 max	0.30	1.00 max	220–235	47–50	25 max	0.1 max	1 max	10.0 max	Waxy White Solid				2.5 max	95 min	NR		1.5 max	36653-82-4
AL 1895 NF	Stearyl	1.0 max	0.5 max	0.30 max	1.0 max	200–215	56–60	25 max	0.1 max	1 max	10.0 max						2.5 max	95 min	1.4 max	1.0 max	112-92-5
AL 1618	Cetyl Stearyl	1.0 max	0.1 max	0.30 max	1.0 max	210-220	50-54	25 max	0.1 max	1 max	10.0 max					3.0 max	22-32	66-76	3.0 max	1.2 max	67762-30-5
CO 1214	Lauryl	0.5 max	0.1 max	0.10 max	0.3 max	280-290	NR	10 max	0.1 max	1 max	10.0 max	Water White Mobile Liquid	0.3 max	1.0 max	65.0 min	21.0-28.0	4.0–8.0	0.5 max		1.0 max	67762-41-8
CO 1695 NF	Cetyl	1.0 max	0.5 max	0.10 max	1.00 max	220-235	47-50	25 max	0.1 max	1 max	10.0 max	Waxy White solid				2.5 max	95.0 min	4 max		1.5 max	36653-82-4
CO 1895 NF	Stearyl	1.0 max	0.5 max	0.10 max	1.0 max	200-215	56-60	25 max	0.1 max	1 max	10.0 max						2.5 max	95.0 min	1.4 max	1.0 max	112-92-5
CO 1897 NF	Stearyl	1.0 max	0.5 max	0.10 max	1.0 max	200-215	56-60	25 max	0.1 max	1 max	10.0 max						2.0 max	97.5 min	1.0 max	1.0 max	112-92-5
TA 1618	Cetyl Stearyl	2.0 max	1.0 max	0.10 max	1.0 max	208-218		25 max	0.1 max	1 max	10.0 max					1.5 max	23.0 min	65.0 min	1.5 max	1.2 max	67762-30-5
ADOL 52	Cetyl	1.0 max (0.4)	0.5 max (0.19)	0.10 max (0.05)	1.0 max (0.8)	220–235 (228)	47–50 (49)	25 max (3-6)	0.1 max	1 max	10.0 max						2.5 max	95 min (96.5)	4 max		1.5 max
ADOL 62	Stearyl	1.0 max (0.6)	0.5 max (0.1)	0.10 max (0.04)	2.0 max (0.8)	200–215 (204)	56–60 (57)	25 max (8.0)	0.1 max	1 max	10.0 max					2.5 max (0.8)	95–98 (96.6)	1.4 max (0.6)	1.0 max	112-92-5	
ADOL 61	Stearyl	1.0 max (0.3)	0.5 max (0.1)	0.10 max (0.03)	2.0 max (0.4)	200–215 (206)	56–60 (58)	25 max (9.0)	0.1 max	1 max	10.0 max					2 max	97.5 min (98.2)	1.0 max (0.3)	1.0 max	112-92-5	
ADOL 63	Cetyl Stearyl	2.0 max	1.0 max	0.10 max	1.0 max	208–218	48-56	25 max	0.1 max	1 max	10.0 max				1.5 max	23.0 min	65.0 min	1.5 max	1.2 max	67762-30-5	

METHYL ESTERS

PRODUCT	Type	Sap. Value	Acid Value	Iodine Value	Moisture Value	MeOH, %	Titer	Color, Gardner	Color, APHA	Melting Point	Specific Gravity	% Transmittance at 460 nm	Unsaponifiable	C6	C8	C10	C12	C14	C16	C18	C20	C18:1	C18:2	C18:3	Total C18'S	CAS Number
ME 810	Light Cut		0.5 max	0.5 max	0.2 max					NR	(0.87)	95 min		6 max	50-58	34-46	1 max									68937-83-7
CE 1099	Light Cut	295-305	0.5 max	0.6 max	0.15 max				40 max	NR	NR	95 min			1.0 max	98.5	0.8 max	NR	7-10							110-42-9
ME C818D	Broad Cut	250-260	0.5 max	6-11	0.2 max			2 max						2 max	8-11	6-9	46-52	15-19	15 max	6-9						61788-59-8
ME 1218	Broad Cut	230-260	1 max	17 max	0.10 max	1.0 max			30 max	NR	NR	NR			C8+C10 8 max		45-55	18-25		5 max		10 max	2 max	2 max		67762-26-9
CE 1270	Mid Cut		0.5 max	0.3 max	0.05 max				10 max	NR	(0.877)	96 min				1.0 max	70.5-74.5	24-29	1.0 max							67762-40-7
CE 1295	Mid Cut		0.3 max	0.1 max	0.05 max					NR	(0.866)	95 min			0.3 max	2.5 max	95 min	2.5 max	0.5 max							111-82-0
ME 1618	Heavy Cut	188-208	1.0 max	56.0-74.0	0.1 max	NR	80 max						NR				0.5 max	1.0 max	25-32	65.0-75.0	1.5 max				65-75	67762-38-3
ME 1698	Heavy Cut	200-210	1.0 max	2.0 max	0.1 max				Lovibond 2.0Y/2.0R				0.5 max					1 max	98 min	1 max						112-39-0
ME S1885	Heavy Cut		0.80 max	(130)	0.1 max		NR	1 max	200 max		(0.85-0.90)	Report							(8-12)	(3-5)		(21-35)	(42-55)	(7-9)	(85-90)	68919-53-9
Isopropyl Myristate	98% IPM	206-211	0.5 max	1 max	0.1 max				20 max																	110-27-0

FOR VEGETABLE OILS, SOAP NOODLES & MEDIUM CHAIN TRIGLYCERIDES - ASK FOR SPEC

SERVICES/TOLLING/ CONTRACT MANUFACTURING

Certifications:

- GMP Guidelines
- ISO 9001:2015
- Responsible Care
- FDA-Bioterrorism registered
- SQF
- Kosher
- Halal
- RSPO
- SMETA

Liquid Unloading/Loading:

- ISO Tanker
- Tank Truck
- Railcar
- Barge
- Tote and Drum

Liquid Bulk Storage Space:

- 75+ tanks between 500 – 900,000 gallon capacity
- Total: 4,700,000 gallons
- Nitrogen blanketing
- Heated and Insulated
- Liners:
- *Stainless Steel, Carbon Steel, and ranges of epoxy linings*

Liquid Blending:

- 15+ tanks between 500 – 80,000 gallons
- Typical Mixer:
- *Baffled interior*
- *Three bladed pitched impellor agitators*
- Recirculation bottom to top

- Temperature Heating Maximum: 300F
- Temperature Cooling: Ambient
- Viscosity Limits: 2,000+ centistokes

Bulk Liquid Packaging:

- 2 toting and drumming lines
- Capacity: 25,000 gallons per line per day
- Kosher and Non-Kosher lines

Flaking & Pastillating:

- Five 100' Sandvik Single Belt Units
- Produces pastilles and flakes:
- *Pastilles height: 1.5mm to 3mm*
- *Pastille width: 3mm to 6mm*
- *Can be adjusted with shell and refeed bar – typical lead time 16 weeks.*

- Dedicated room for each belt to block cross contamination
- Dedicated 30%/70% glycol/water Heat Exchanger for each belt
- Two chilled water-cooling zones with minimum 18C and 12C cooling capabilities respective to each belt
- Room Temperature/Dew Point Typical Minimum: 5C
- Product fed via Tank Truck, Railcar, and Batch Tanks
- Kosher product capable
- Typical Categories: Food, Pharma, Cosmetic, Personal Care, Industrial

Co-Packing:

- Design for Manufacturing (DFM)
- Bottle filling
- Bottle descrambling
- Rotary filling
- Torque capping
- Sleeving
- Case packing
- Labelling
- Palletizing

Lab Services:

- 2 QC Analytical Labs
- Compendia Testing
- USP-NF, EP, AOCS, ASTM
- Oleochemical Testing
- Analytical Method Validation

- Current Capabilities:
GC, HPLC, IC, FTIR,
- Colorimeter, KF Moisture, Melt Point, pH,
- Halogen moisture analyzer

Supply Chain Management:

- Expertise in managing complex end-to-end global supply chains
- Dedicated team for planning, procurement, inventory, and logistics management



CREMER

The world is our market

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