OIL TEC

For Edible Oils & Detergents S.A.E

Purity & Quality

OIL TEC

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About Us:

Oil Tec founded in 1999. As a fully Egyptian owned enterprise, built on a heritage of experience in the oils and soap sectors since 1940. Facilities along forerunners decades of professional soap manufacturing and experience basis, then engaged in oils refining, mixing, filling of edible oils, vegetable ghee, shortening and plastic bottles manufacturing to achieve a completed safe foodstuff oil production.

Our Vision:

Leadership in development and manufacture of vegetable oils locally and internationally.

Our Mission:

The company is working on:

- Offering high quality products that exceed customer expectations.
- Continuous research and development as a mechanism to improve the performance of the organization and achieve a competitive advantage.
- Maximizing the return on investment in human resources to serve the community and the labor market.
- Achieving the goals of our success partners (customers, suppliers and employees).
- Full compliance with all legislation and laws.

Refining:
We are considered to be the most advanced in terms of machinery and refining technology through all refining processes (Neutralization - Bleaching - Deodorizing - Winterizing) with montly capacity 10,000 MT.

Plastic Bottle Manufacturing:
Production of plastic bottles in the same place of packing to ensure best hygiene products to meet international food safety standards.

Oils Processing:
All production and filling lines are fully automated which enables us to present a nutritional oils, ghee and shortening with a longer shelf life and better taste.

Soap Manufacturing:
Saponification process are made from the finest edible oils with the capability to produce soaps different ranges, colors and perfumes with finishing in different sizes and packages.

The Most Advanced Hygienic
Oil, Shortening and Vegetable Ghee Filling System

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Oil, Shortening and Vegetable Ghee Filling System

Corn Oil

Fully Refined Corn Oil Specifications

Item	References of Specifications			
	Oil Tec. Specifications		Codex 210-1999 Rev. 2019 & E.S No. 7985/2021	
	Min.	Max.	Min.	Max.
Appearance	Clear, impurities free		Clear, impurities free	
Odor & taste	Rancid odor and taste free		Rancid odor and taste free	
Free fatty acids as oleic acid %	-	0.12	-	0.3
Acid value ml gm. KOH/gm. oil	-	0.24	-	0.6
Peroxide value (mg eq. wt./Kg oil)	-	1.0	-	10
Iodine value gm. Br/100 gm. oil	103	135	103	135
Moisture and volatile matter %	-	0.02	-	0.2
Impurities %	-	0.02	-	0.05
Soap content ppm	-	10	-	50
Unsaponifiable matters %	-	1.0	-	2.8
Saponification value mg KOH/gm. oil	187	195	187	195
Heavy Metals / ppm				
Iron (Fe) mg/kg	-	1.5	-	1.5
Lead (Pb) mg/kg	-	0.1	-	0.1
Copper (Cu) mg/kg	-	0.1	-	0.1
Arsenic (As) mg/kg	-	< 0.1	-	-
Nickel (Ni) mg/kg	-	< 0.1	-	-
Relative density at 20 °C	0.917	0.925	0.917	0.925
Refractive index at 40 °C	1.465	1.468	1.465	1.468
Antioxidant (TBHQ/ppm)	-	160	-	200
Color (5¼ Inch Lovibond Color Cell)				
Red / Yellow	2.5 / 25	3.5 / 35	-	-
Phosphorus (Gums) ppm	-	8	-	-
Wax ppm	-	50	-	-
Vitamins A – D ppm	According to the customers requirements			
Fatty Acids Composition %				
C 16:0	8.6	16.5	8.6	16.5
C 18:0	Nil	3.3	Nil	3.3
C 18:1	20	42.2	20	42.2
C 18:2	34	65.6	34	65.6
C 18:3	-	2	-	2
C 22:0	-	0.5	-	0.5

- **Validity**
  - Jerrycan - pouches - tin cans - bulk (12 months).
  - PET Bottles under Nitrogen (24 months).
  - Non GMO, Aflatoxine & Halal certificate (according to the customer request).

Sunflower Oil

Fully Refined Sunflower Oil Specifications

Item	References of Specifications			
	Oil Tec. Specifications		Codex 210-1999 Rev. 2019 & E.S No. 7985/2021	
	Min.	Max.	Min.	Max.
Appearance	Clear, impurities free		Clear, impurities free	
Odor & taste	Rancid odor and taste free		Rancid odor and taste free	
Free fatty acids as oleic acid %	-	0.08	-	0.3
Acid value ml gm. KOH/gm. oil	-	0.16	-	0.6
Peroxide value (mg eq. wt./Kg oil)	-	1.0	-	10
Iodine value gm. I2/100 gm. oil	118	141	118	141
Moisture and volatile matter %	-	0.02	-	0.2
Impurities %	-	Nil	-	0.05
Soap content ppm	-	10	-	50
Unsaponifiable matters %	-	1.0	-	1.5
Saponification value mg KOH/gm. oil	188	194	188	194
Heavy Metals / ppm				
Iron (Fe) mg/kg	-	1.5	-	1.5
Lead (Pb) mg/kg	-	0.1	-	0.1
Copper (Cu) mg/kg	-	0.1	-	0.1
Arsenic (As) mg/kg	-	< 0.1	-	-
Nickel (Ni) mg/kg	-	< 0.1	-	-
Relative density at 20 °C	0.918	0.923	0.918	0.923
Refractive index at 40 °C	1.461	1.468	1.461	1.468
Antioxidant (TBHQ/ppm)	-	160	-	200
Color (5¼ Inch Lovibond Color Cell)				
Red / Yellow	-	0.8 / 8	-	-
Phosphorus (Gums) ppm	Nil	8	-	-
Wax ppm	Nil	50	-	-
Vitamins A – D ppm	According to the customers requirements			
Fatty Acids Composition %				
C 16:0	5	7.6	5	7.6
C 18:0	2.7	6.5	2.7	6.5
C 18:1	14	39.4	14	39.4
C 18:2	48.3	74	48.3	74
C 18:3	-	0.3	-	0.3
C 22:0	0.3	1.5	0.3	1.5

- **Validity**
  - Jerrycan - pouches - tin cans - bulk (12 months).
  - PET Bottles under Nitrogen (24 months).
  - Non GMO, Aflatoxine & Halal certificate (according to the customer request).

Soya Bean Oil

Fully Refined Soya Bean Oil Specifications

Item	References of Specifications			
	Oil Tec. Specifications		Codex 210-1999 Rev. 2019 & E.S No. 7985/2021	
	Min.	Max.	Min.	Max.
Appearance	Clear, impurities free		Clear, impurities free	
Odor & taste	Rancid odor and taste free		Rancid odor and taste free	
Free fatty acids as oleic acid %	-	0.06	-	0.3
Acid value ml gm. KOH/gm. oil	-	0.16	-	0.6
Peroxide value (mg eq. wt./Kg oil)	-	1.0	-	10
Iodine value gm. I2/100 gm. oil	124	139	124	139
Moisture and volatile matter %	-	0.02	-	0.2
Impurities %	-	Nil	-	0.05
Soap content ppm	-	10	-	50
Unsaponifiable matters %	-	1.0	-	1.5
Saponification value mg KOH/gm. oil	189	195	189	195
Heavy Metals / ppm				
Iron (Fe) mg/kg	-	1.5	-	1.5
Lead (Pb) mg/kg	-	0.1	-	0.1
Copper (Cu) mg/kg	-	0.1	-	0.1
Arsenic (As) mg/kg	-	< 0.1	-	-
Nickel (Ni) mg/kg	-	< 0.1	-	-
Relative density at 20 °C	0.919	0.925	0.919	0.925
Refractive index at 40 °C	1.466	1.470	1.466	1.470
Antioxidant (TBHQ/ppm)	-	160	-	200
Color (5¼ Inch Lovibond Color Cell)				
Red / Yellow	-	0.8 / 8	-	-
Phosphorus (Gums) ppm	Nil	8	-	-
Wax ppm	Nil	50	-	-
Vitamins A – D ppm	According to the customers requirements			
Fatty Acids Composition %				
C 16:0	8	13.5	8	13.5
C 18:0	2	5.4	2	5.4
C 18:1	17	30	17	30
C 18:2	48	59	48	59
C 18:3	4.5	11	4.5	11
C 22:0	-	0.7	-	0.7

- **Validity**
  - Jerrycan - pouches - tin cans - bulk (12 months).
  - PET Bottles under Nitrogen (24 months).
  - Non GMO, Aflatoxine & Halal certificate (according to the customer request).

Blended Oil

Fully Refined Blended Oil (Soya Bean - Sunflower) Specifications

Item	References of Specifications			
	Oil Tec. Specifications		Codex 19-1981 Rev. 2019 & E.S No. 8041/2016	
	Min.	Max.	Min.	Max.
Appearance	Clear, impurities free		Clear, impurities free	
Odor & taste	Rancid odor and taste free		Rancid odor and taste free	
Free fatty acids as oleic acid %	-	0.08	-	0.3
Acid value ml gm. KOH/gm. oil	-	0.16	-	0.6
Peroxide value (mg eq. wt./Kg oil)	-	1.0	-	10
Moisture and volatile matter %	-	0.02	-	0.2
Impurities %	-	Nil	-	0.05
Soap content ppm	-	10	-	50
Antioxidant (TBHQ/ppm)	-	160	-	200
Heavy Metals / ppm				
Iron (Fe) mg/kg	-	2.5	-	2.5
Lead (Pb) mg/kg	-	0.1	-	0.1
Copper (Cu) mg/kg	-	< 0.1	-	-
Arsenic (As) mg/kg	-	< 0.1	-	-
Nickel (Ni) mg/kg	-	< 0.1	-	-
Color (5¼ Inch Lovibond Color Cell)				
Red	-	0.8	-	-
Yellow	-	8	-	-
Phosphorus (Gums) ppm	-	8	-	-
Wax ppm	-	50	-	-

- **Validity**
  - Jerrycan - pouches - tin cans - bulk (12 months).
  - PET Bottles under Nitrogen (24 months).
  - Non GMO, Aflatoxine & Halal certificate (according to the customer request).

Vegetable Ghee

Vegetable Ghee Specifications

Items	Oil Tec. Specifications	
Indoor Lab.	**Min.**	**Max.**
Odor	Butter	
Color as per lovibond (5, 1/4 Cell) White Ghee max.	R / Y = 3.5 / 35.0	
Yellow Ghee max.	R / Y = 35 / 6.5	
Specific Gravity (H2O = 1)	0.890	0.900
Slip (melting) point °C	38	42
Free Fatty Acid as Oleic Acid %	-	0.10
Acid value ml gm. KOH/gm. Oil	-	0.20
Peroxide Value (mg Eq. Wt. O2/Kg)	-	1.0
Iodine value gm. I2/100 gm. oil	-	55
Unsaponifiable Matters %	-	1.2
Saponification Value mg KOH/gm. Oil	190	209
Soap content ppm.	-	10
Moisture and volatile matter at 105 °C %	-	0.2
Impurities %	-	Nil
Total fatty matter %	99.5	100
Antioxidant mg/kg	160	190
Fatty Acids Composition %		
C 12:0	-	0.5
C 14:0	0.5	2.0
C 16:0	39.3	47.5
C 18:0	3.5	6.0
C 18:1	36.0	44.0
C 18:2	9.0	12.0
Transe Fatty Acid	Not Detected	

Items	Oil Tec. Specifications	
External Lab.	**Min.**	**Max.**
Paraffin Test	Nil	
Heavy Meatal mg/kg		
Fe	-	1.5
Cu	-	0.1
Pb	-	0.1
As	-	0.1
Solid Fat Content % °C at		
20 °C	17	20
30 °C	5	9
35 °C	2	5
40 °C	0.5	2
Aflatoxins (ppb)		
Aflatoxins B1	-	Nill
Aflatoxins B2	-	Nill
Aflatoxins G1	-	Nill
Aflatoxins G2	-	Nill
Pesticide residue (ppm)	-	0.05
Erucic acid gm./kg	-	50
Benzo(a)pyrene mg./kg	-	2.0
Sum of dioxins pg/g fat	-	0.75
Microbiological tests: Due to the low moisture content of the product, the nature of vegetable oil and refining steps, microbiological contamination is unlikely to occur.		
Salmonella cell / 25 gm	-	<10
Escherichia coli cell /gm	-	<10
Total count cell /gm	-	<10
Validity and Packing		
11.0 kg. inside Coated Tin (24 Months)		
Storage Condition		
A cool dry place max. 30 °C, away from direct sun light		

Palmina بالمينا

Shortening شورتننج

High Quality Shortening for All Purposes

Dairy *Deep Frying* *Bakery & Biscuit*

Shortening for Food Purposes Specifications

Items	Oil Tec. Specifications	
Indoor Lab.	Min.	Max.
Odor	Rancid Free	
Color max.	R / Y = 3.0 / 30.0	
Specific Gravity (H2O = 1)	0.867	0.870
Slip (melting) point °C	38	42
Free Fatty Acid as Oleic Acid %	-	0.10
Acid value ml gm. KOH/gm. Oil	-	0.20
Peroxide Value (mg Eq. Wt. O2/Kg)	-	1.0
Iodine value gm. I2/100 gm. oil	-	55
Unsaponifiable Matters %	-	1.2
Saponification Value mg KOH/gm. Oil	190	209
Soap content ppm.	-	10
Moisture and volatile matter at 105 °C %	-	0.2
Impurities %	-	Nil
Total fatty matter %	99.5	100
Antioxidant mg/kg	160	190
Fatty Acids Composition %		
C 12:0	-	0.5
C 14:0	0.5	2.0
C 16:0	39.3	47.5
C 18:0	3.5	6.0
C 18:1	36.0	44.0
C 18:2	9.0	12.0

• **Free from any additives of natural and artificial coloring materials**

Items	Oil Tec. Specifications	
External Lab.	Min.	Max.
Paraffin Test	Nil	
Heavy Meatal mg/kg		
Fe	-	1.5
Cu	-	0.1
Pb	-	0.1
As	-	0.1
Solid Fat Content % °C at		
20 °C	17	26
25 °C	10	17
30 °C	6	11
35 °C	3	7
40 °C	0.5	3.5
Aflatoxins (ppb)		
Aflatoxins B1	-	Nill
Aflatoxins B2	-	Nill
Aflatoxins G1	-	Nill
Aflatoxins G2	-	Nill
Pesticide residue (ppm)	-	0.05
Erucic acid gm./kg	-	50
Benzo(a)pyrene mg./kg	-	2.0
Sum of dioxins pg/g fat	-	0.75
Microbiological tests: Due to the low moisture content of the product, the nature of vegetable oil and refining steps, microbiological contamination is unlikely to occur.		
Salmonella cell / 25 gm	-	<10
Escherichia coli cell /gm	-	<10
Total count cell /gm	-	<10
Validity and Packing		
Pouches 25 kg. inside carton (24 Months)		
Storage Condition		
A cool dry place max. 30 °C, away from direct sun light		

Fine

Beauty Soap

Soap Specifications

Technical Specifications:

- Distilled vegetable oil-base, animal fats free.
- Off white bar soap.
- Foreign materials free.
- Paper wrapp three colors (Black – Violet – Pink) with different fragrances 120 gm. packed in carton contains 48 pieces.

Item	Specifications		Reference
	Min.	Max.	
Color of Bar	Off White		
TFM %	68.0	-	AOCS
Moisture %	-	20.0	AOCS
Titer °C	42	47	AOCS
Free Acidity (as palmitic acid) % OR	-	2	AOCS
Free alk. As NaOH %	-	0.06	AOCS
Salt (as NaCl) %	0.4	0.8	AOCS
Glycerin %	4.0	-	AOCS
Wet Crack	Good		
Water Absorption	Good		

- **Notes**
  - Produced according to European directives.
- **Validity**
  - Five years from the printed production.
- **Storage Temperature:**
  - Ventilated area and temperature max. 30 °C.

Sustainability

We are committed to doing our effort and capabilities and using our scale to help lead the Industry of refining & filling of edible oils forward.

Our sustainability commitments are guided by activities across three main core pillars:

- Action to reduce pollutants that effect of the climate.
- Supply Chains Responsibility.
- The Accountability.

These drive the step-to-step business decisions to make across our operations.

We are advancing our sustainability efforts by progressing toward our existing sustainability commitments, while also setting additional targets and investing in the new projects that are centered in sustainability & green life.

We believe these efforts will result in good climate action while delivering strong results for our key stakeholders, including customers, employees and shareholders.

Environmental Goals

- **Oil Tec** continued efforts to improve energy efficiency such as implementing steam reuse methodologies in heating the oil system and updating performance systems in all our operations.
- **Oil Tec** changed all steam boiler lighters from diesel to natural gas, & adjusting the combustion system which leads to the reduction of carbon emissions and environmental pollution.
- **Oil Tec supply chains** organized the supply process for service providers from the industrial zone in Sadat City, thus reducing the movement of cars, reducing carbon emissions, reducing the number of operating hours for cars, and thus reducing the number of times to change car motor oils.
- **Oil Tec** operations team have policies and procedures in place that determine the correct operation related to waste management. For this purpose, we conduct critical analysis tests to verify performance, with measurement on scales and laboratory analysis of effluents.
- **Oil Tec** works on the treatment of industrial wastewater in a scientific way to obtain water that conforms to the legislation and laws, used for irrigation around the company, and used for washing floors, thus reducing the consumption of city water.
- **Oil Tec** collects mineral oils resulting from changing motor oils for equipment and cars, and delivers them to petrol stations to be disposed of in their treatment units.
- **Oil Tec** collects the by-products resulting from refining edible oils, which were previously considered industrial waste, such as mucilage. Where these wastes are sent to the sister company Oleo Misr for Oleo Chemicals, where it is in charge of reusing these wastes and producing acid oil as well as various fatty acids.
- **Oil Tec** collects hazardous waste and delivers it to Nasiriyah landfill for safe disposal. There is also a contract with service providers accredited by environmental affairs to safely dispose of non-hazardous waste.
- **Oil Tec** works on the necessity of conformity with legislation and laws and allows all official bodies to conduct periodic reviews and draw samples to confirm conformity. It also allows customers to conduct periodic reviews and take all corrective and preventive actions on a permanent basis to ensure compliance with legislation, laws and other requirements of stakeholders and success partners.

Quality Certificates

Quality Certificates

HALAL Mark

ISO 14001:2015

ISO 9001:2015

ISO 22000:2018

ISO 45001:2018

ISO 14001 ENVIRONMENTAL MANAGEMENT

ISO 9001 QUALITY MANAGEMENT

ISO 22000 FOOD SAFETY

ISO 45001 HEALTH & SAFETY

EGAC Accredited — INFINITY — ISO 45001:2018 — CAB # 012005

MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT IAF

AEO EGYPT

HALAL

PROUDLY MADE IN EGYPT مصر

O-0151-F-06-19

All our Processes & Products are Comply with the High-Quality Standards, GMP, & Food Safety Authority requirements (NFSA White List under No.639)

Products Stuffing

SKU	Units/ Carton	Carton Dimension (cm)			Label Dimension (cm)			Net wieght / Carton (Kg)	Gross wieght / Carton (Kg)	Container Capacity (Carton)	
		Length	Width	Height	Length	Height	Blank Space			20 FT	40 FT HC
250 ml	24	29	20	19	3	8	-	5.52	6.42	2400	4360
300 ml pouch	20	13.5	30.3	11	-	-	-	5.52	5.8	3150	4825
500 ml	12	25.8	18.4	24.9	20	5.8	-	5.52	6.1	2200	4590
750 ml	12	29.3	22.2	26.3	23.5	6.2	1.2	8.28	8.88	1764	3150
800 ml	12	29.5	22.5	28.3	23.5	6.5	1.2	8.832	9.42	1520	2970
900 ml	12	31.6	23.5	28.6	24.8	7	1.2	9.936	10.54	1520	2655
1 Liter Round	12	32.8	24.4	28.7	26.2	7	1.2	11.04	11.692	1304	2400
1 Liter Square Long bottle	12	29.1	22	28.8	25.8	6.8	1.2	11.04	11.692	1608	2400
1 Liter Square Short bottle	12	29.5	23	26	27.2	6.8	1.2	11.04	11.72	1701	2400
1.8 Liter Side Handle	6	27.4	26.9	33.4	10.2	12.2	-	9.936	10.76	1176	2600
1.8 Liter Round	6	32.7	22.3	32	33.5	6.8	1.2	9.936	10.608	1344	2640
2.5 Liter Round	4	23	22.5	36	34	6.8	1.2	9.2	9.728	1440	2880
3 Liter with Handle Round	4	25.7	25.7	36	36.3	6.8	1.2	11.04	11.63	1008	2410
4 Liter Square	4	31	28.3	30	8.5	9.5	-	14.72	15.648	1008	1800
5 Liter Square	4	30.8	30.2	33	12	12	-	18.4	19.38	881	1450
5 Liter HDPE Jerrycan	4	38	30.4	25.7	13.8	14	-	18.4	20.12	975	1400
10 Liter HDPE Jerrycan	1	27.4	22.5	34	14.9	14.9	-	9.2	10.13	1834	N/A
16 Liter HDPE Jerrycan	-	29.2	24.2	31.6	13.1	14.8	-	14.72	15.62	1288	N/A
17 Liter Tin	1	24	24	36.5	-	-	-	15.64	17.005	800	1650
20 Liter Jerrycan Plain Square shape	-	29.3	23.5	38.5	16	16	-	18.4	19.715	1165	N/A
20 Liter Jerrycan Ribbed	-	28.6	28.5	37.8	16	16	-	18.4	19.715	1198	N/A
20 Liter Jerrycan Round shape	-	28.6	28.5	37.8	16	16	-	18.4	19.715	960	N/A
20 kg Shortening	-	36.8	27.8	26	-	-	-	20	20.7	960	1350
25 kg Shortening	-	39	32	25.5	-	-	-	25	25.7	784	1090
15 KG Tin Ghee	-	23.5	23.5	36	-	-	-	15	16.05	1242	1745
11 KG Tin Ghee	-	23.5	23.5	28	-	-	-	11	11.8	1944	2375
IBCs	-	-	-	-	-	-	-	920	985	20 IBC	N/A
Flexi Tanks	-	-	-	-	-	-	-	-	-	1	-

- All count in carton in 40 FT are subject to tare max. payload and restrictions at country of destination.

Purity & Quality

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