



# SUPA EXPORT®

*Passion For Import - Export Solutions*

## TECHNICAL SPECIFICATIONS

### **100% REFINED WINTERIZED CORN OIL**

#### **DESCRIPTION**

A liquid oil suitable for baking and frying. For use in diet margarine, or bottled as a general-purpose oil. Especially for products high in poly-unsaturated fatty acids.

#### **APPEARANCE**

Clear and brilliant at room temperature.

#### **QUALITY STANDARDS AT LOADING**

	Size	Limits	Method
Free Fatty Acids	%	0,10 max	ISO 660
Peroxide Value	meqO <sub>2</sub> /kg	1,0 max	ISO 3960
Taste/Odour		Neutral/Bland	
Phosphorus	ppm	3,0 max	ICP
Colour:			
Red	Lovibond 5¼"	2 max	AOCS Cc 13e-92
Yellow	Lovibond 5¼"	20 max	AOCS Cc 13e-92
Smoke point		232°C	

### **REFINED CORN OIL SPECIFICATION**

1	RELATIVE DENSITY (20C/WATER AT TEMP 20C)	0.925 - 0.917
2	MOISTURE AND VOLATILE MATTER	0.2% MAX AT TEMP 105C
3	IODINE INDEX:	103 - 128
4	SAPONIFICATION VALUE:	187/193
5	UNSAPONIFIABLE MATTER (g / Kg)	15.0 MAX
6	SOAP CONTENT	0.005% MAX
7	TOTAL TITRATABLE ACIDITY:	0.3% MAX
8	DIOXINE (KG OF OIL)	0.75 MAX
9	ACID VALUE MAX:	0.6
10	INSOLUBLE IMPURITIES	0.05%



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11	BENZO (A) PYRENE (µg /kg)	2.0 MAX
12	AUTHORISED ADDITIVES MAX.	100MG OF BUTYLATED(BHT-E-321) KG OF OIL
13	FLASH POINT: / (1). SMOKING POINT:	121 DEGREE C MIN (1). 215-217
14	PEROXIDE VALUE MAX :	10.0
15	LOVIBOND COLOR / (1).YELLOW:	:(133.4MM) / (1).30-15
16	REFRACTIVE INDEX AT 40 C	1.4680 - 1.4650 1.4740 - 1.4700
17	RESIDUE OF SOLVENT (mg / Kg)	0.1 MAX
18	ARESENIC (As) (mg / Kg)	0.1 MAX
19	LEAD (Pb) ( mg / Kg )	0.1 MAX
20	IRON (mg / Kg)	0.1 MAX
21	COPPER (mg / Kg)	0.1 MAX
22	ZEARALENONE (µg /kg)	200 MAX
23	FUMONISINS (µg /kg)	1000 MAX
24	Phorate (mg / Kg)	0.02 MAX
25	Methomyl (mg / Kg)	0.02 MAX
26	Chlorpyrifos (mg / Kg)	0.2 MAX
27	Propargite (mg / Kg)	0.5 MAX

The Fatty acids using (GLC) as following:

1	Caproic acid (0 : 6K)	LESS OR EQUIL 0.05%
2	Caprylic acid (0 : 8K)	LESS OR EQUIL 0.05%
3	Capric acid (0 : 10K)	LESS OR EQUIL 0.05%
4	Lauric acid (0 : 12K)	MAX 0.3
5	Myristic acid (0 : 14K)	MAX 0.3
6	Palmitic acid (0 : 16K)	8.6 -16.5
7	Palmitoleic acid (1 : 16K)	0.5 MAX
8	Heptadecanoic acid (0 : 17K)	0.1 MAX
9	Heptadecenoic acid (1 : 17K)	0.1 MAX
10	Stearic acid (0 : 18K)	3.3 MAX
11	Oleic acid (1 : 18K)	20.0 - 42.2
12	Linoleic acid (2 : 18K)	34.0 - 65.6
13	Linolenic acid (3 : 18K)	2.0 MAX
14	Arachidic acid (0 : 20K)	0.3 - 1.0
15	Gadoleic acid (1 : 20K)	0.2 - 0.6
16	Eicosadienoic acid (2 : 20K)	0.1 MAX
17	Behenic acid (0 : 22K)	0.5 MAX
18	Erucic acid (1 : 22K)	0.3 MAX
19	Docosadienoic (2 : 22K)	LESS OR EQUIL 0.05%
20	Lignoceric acid (0 : 24K)	0.5 MAX
21	Nervonic (1 : 24K)	LESS OR EQUIL 0.05%
22	Trans - fatty acids	0.0



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**NOTE:**

*This product does not require a Material Safety Data Sheet. It is a food grade product which is intended for edible uses. It is not a health, safety or toxic hazard. This specification is provided for information purposes only and should not be relied upon as a basis for product performance. It is suggested that you evaluate the product on at least a laboratory basis prior to its commercial usage. NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A SPECIFIC USE OR PURPOSE, EXPRESS OR IMPLIED, ARE MADE. These specifications are not intended to and shall not be construed to be instructions or suggestions for use which may be patent rights.*