

	TECHNICAL SPECIFICATIONS	DATE: 01/03/2007
	100% REFINED WINTERIZED CORN OIL (HS-CODE: 15152990)	Page 1 of 2

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 ₂ /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	

ADDITIONAL INFORMATION

	Size	Typical Ranges
Moisture	%	Max. 0,05
Impurities		Negative
Cold test	48 hours at 0°C	Negative
Iodine Value	gI ₂ /100g	Min. 120
Specific gravity	at 20°C	0.917 – 0.921
Refractive index	at 20°C	1,4734
Saponification value	mg KOH/g	187 – 195
Non-saponifiable matter	g/kg	< 28

FATTY ACID COMPOSITION*

	Size	Typical Ranges	Method
C14:0	%	< 0,3	Gas Chromatography ISO 5508
C16:0	%	9 – 14	
C18:0	%	0,5 – 4	
C18:1	%	24 – 42	
C18:2	%	34 – 62	
C18:3	%	≤ 2	

*According to CODEX STAN 210 (ND: non-detectable, defined as ≤ 0.05%)

Total Trans Content: Max 1%

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HEAVY METALS

Analysis	Unit	Norms	Methods
Cadmium (Cd)	mg/kg	< 0.01	VDLUFA VII 2.2.2.5; HR-ICPMS
Lead (Pb)	mg/kg	< 0.10	VDLUFA VII 2.2.2.5; HR-ICPMS
Mercury (Hg)	mg/kg	< 0.02	§64 LFGB L00.00-19
Arsenic (As)	mg/kg	< 0.10	VDLUFA VII 2.2.2.5; HR-ICPMS
Iron (Fe)	ppm	Max 0,5	
Copper (Cu)	ppm	Max 0.05	

AVERAGE NUTRITION FACTS

	Per 100 ml
Energy	3400 kJ – 813 kcal
Protein (g)	0
Carbohydrates (g)	0
Total fat (g)	92
Saturated (g)	12
Monounsaturated (g)	26
Polyunsaturated (g)	54
Cholesterol (mg)	0
Nutritional fibres (g)	0
Sodium (g)	0
Additives	None

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 in violation of patent rights.