



Product Specification - "Bunge PRO Cuisine F1" Frying oil blend "Bunge PRO Cuisine F1" Name of the product: Sunflower frving oil Legal name: Chemically refined sunflower oil obtained from sunflower seeds by pressing or by pressing and extraction. Product description: The oil is refined, bleached, winterized and deodorized. It contains PDMS antifoaming agent. Private Joint Stock Company with Foreign Investments "Dnipropetrovsk Oil Extraction Plant". Legal address and production capacity address: Kniazya Yaroslava Mudrogo Str., 46, Dnipro, 49000, Ukraine, tel. +380(562) Producer name and address: 38 72 10, www.oleina.com UKRAINE, wholly crushed and refined in DOEP. Origin Produced by order of SE Suntrade, Kyiv, ID code 25394566. Distributor name and address: Refined sunflower oil ,antifoaming agent (E900). Ingredients: Sensory characteristics Appearance, colour liquid, light yellow, clear & transparent at 20°C Taste neutral or very slight sunflowerseed taste, free from any foreign taste Smell neutral or very slight sunflowerseed smell, free from any foreign smell Chemical and physical properties Characteristics unit Typical values Limit values Free Fatty Acids (FFA) max 0,1 ISO 660 % 0,06 Moisture and volatile matter % 0,02 max 0.05 ISO 8534 content Lovibond colour (5 1/4" cell) 0.8 R / 3.8 Y max. 1,5R / 12Y ISO 27608 Lovibond unit Impurities content % <0,01 max 0,03 ISO 663 ISO 10540-1 Phosphorus content ppm 3,0 max 5,0 ISO/TS 23647 Wax and wax-like sub-es Absence ppm 20,0 Soap content max 5,0 Wolff MTLB 007 ppm <1,0 Peroxide value ( at plant meq O<sub>2</sub>/kg <1,0 max 2,0 ISO 3960 bottling) Trans fatty acid % 0,3 max 1,0 ISO 15304 Solvent residue(hexaine) ppm Absence 1.0 ISO 9832 0.918-0.923 Relative density at 20 °C g/cm3 0,919-0,920 ISO 6883 Iodine Value g I2/100 g 118-141 ISO 3961 130,0 Saponification Value 190,0 188-194 ISO 3657 KOH mg/g Unsaponifiable Matter <1,5 ISO 3596 % <1,0 Refracive Index (on 40 degree) RI 1,467 1,461-1,468 ISO 6320 Vitamine E(Alfa-tocopherol) mg / kg 600 min 400 ISO 9937 Fatty acid profile % 0,1 ND-0.2 C14:0 myristic ISO 15304 C16:0 palmitic % 6,4 5.0-7.6 ISO 15304 C16:1 palmitoleic % 0.2 ND-0.3 ISO 15304 C18:0 stearic % 3.1 2.7-6.5 ISO 15304 14,0-39,4 C18:1 oleic % 29,6 ISO 15304 C18:2 linoleic % 59,2 48,3-74,0 ISO 15304 ND-0.3 ISO 15304 C18:3 linolenic % 0,1 C20:0 arachidic % 0.1-0.5 ISO 15304 0.2 % ND-0.3 ISO 15304 C20:1 gadoleic 0,1 % C22:0 behenic 0,6 0.3-1.5 ISO 15304 % ND-0.3 ISO 15304 C22:1 erucic 0.1 % 0,2 C24:0 lignoceric ND-0.5 ISO 15304 Microbiological values Not detected for this kind of oil **Aditives** Antifoaming agent (E900) sufficient amount to protect the oil during frying Contaminants, undesirable substances Characteristics unit Typical values Limit values Method 2,0 ISO 15302 Benzo(a)pyrene (ppb) ppb <1 sum. PAH (4) 10,0 HPLC/FLD <2 ppb < 0.75 Dioxins (PCDD+PCDF) 0,16 (HRGCMS/HRMS) / external lab pa/a

Sum of dioxins and dl PCBs	pg/g	0,27	<1.25	(HRGCMS/HRMS) / external lab		
Sum of non-dl PCBs( ICES-6)	ng/g	1,2	max.40	(HRGCMS/HRMS) / external lab		
3MCPD	mg/kg	0,2	max.1,25	AOCS Cd29b-13		
GE (glycidyil esters)	ppm	0,2	max.1	AOCS Cd29b-13		
Mineral oil (C10-C56)	ppm	< 10,0	50,0	LC-GC-FID / external lab		
Copper (Cu)	ppm	<0,02	max.0,1	ICP		
Iron (Fe)	ppm	0,1	max. 0,5	ICP		
Lead ( Pb)	ppm	<0,05	max. 0,1	ICP		
Cadmium ( Cd)	ppm	<0,02	max. 0,02 max. 0,02	ICP		
Mercury (Hg) Arsenic (As)	ppm	< 0,01	max. 0,02	ICP ICP		
Cs-137 (Cesium - 137)	ppm Bc/kg	< 0,02 4,0	100,0	E-gamma-SPEKT-LEBM-01:		
Sr-90 (Strontium – 90)	Bc/kg	1,0	30,0	E-gamma-SPEKT-LEBM-01:		
Micotoxins and pesticide residue		E gamma of EIXT EEBW of .				
GMO statement: The product is not the subject to GM labelling requirements as laid down in Reg 1829/2003 and 1830/						
Allergen	s ( 1169/2011/	Yes / No				
Peanuts and products thereof	-	,		No		
Crustaceans and products thereo	of	No				
Fish and products thereof				No		
Eggs and products thereof	ta Duanil acuta			No No		
Nuts and products thereof (Waln Milk and products thereof	uts, Brazii nuts	, casnew nuts, pecan, r	nazeinuts, pistacnio,	No No		
Soybean and products thereof		No				
Cereals containing gluten and pr	oducts thereof	No				
Sulphur dioxide and Sulphites (>		No				
Celery and products thereof	, og,g)			No		
Sesame and products thereof		No				
Mustard and products thereof		No				
Lupin and products thereof				No		
Molluscs and products thereof				No		
,		Nutritional data	per 100 g of produc	et		
	unit	100 g	1 portion (10g)			
Energy value	kJ/kcal	3700/900	370/90			
Protein	g	0	0			
Carbohydrate	g	0	0			
Sugars	g	0	0			
Fat	g	100	10			
saturated fatty acids	g	11	1,1			
mono-unsaturated FA	g	29	2,9			
poly-unsaturated FA	g	60	6,0	_		
of which -omega-3	g	0,1	0			
-omega-6	g	60	6,0			
trans fatty acids (*)	g	< 1,0	< 0,1			
Salt	g	0	0			
Packaging information for bottling						
Primary packaging: PET bottle + PE cap						
Storage & transport requirem	Protect from direct sunlight, store at 0-30°C temperature.					
	Shelf life is 24 months at the appropriate storage circumstances.					
Shelf life		edele sker	<b>5</b>			
Traceability data	See the prod. date, exp.date and batch number on the bottle.					
•	and production, expendence and batter married on the bottle.					
Application	Bunge Pro Cuisine F1 frying oil offers you 30 hours fry life, which is longer than that for average sunflower oil. Contains Omega-6 fatty acids. No foaming while frying due to the antifoaming agent.Fry life is an expected range of hours that an oil will deliver fried foods of same quality.Recommended maximum temperature for					
	frying: 180°C;	225°C smoke point.				
		Packaging info	ormation for bulk			
Primary packaging:	Packaging information for bulk  Empty and clean stainless steel tanks or containers, flexy tank.					
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Storage & transport requirem	Empty and clean stainless steel tanks or containers (for food stuff only), keep away from direct sunlight.  Store preferably in nitrogen gas saturated tank at 0-30°C.					
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Chalf life	Shelf life is 12 months at the appropriate storage circumstances.					
Shelf life	Details assert as and leading data in a citate of the Co. A					
Traceability data	Batch number and loading date is registered on the CoA					
Application	Bunge Pro Cuisine F1 frying oil offers you 30 hours fry life, which is longer than that for average sunflower oil.					
	Contains Omega-6 fatty acids. No foaming while frying due to the antifoaming agent. Fry life is an expected range of hours that an oil will deliver fried foods of same quality. Recommended maximum temperature for					
	frying: 180°C;	225°C smoke point				
			ried foods of same o	quality.Recommended maximum temperature for		

Approved by:	QC manager	Solomonova M.A.	Buarf-
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