


NO: RP - KRU	VERSION: 09	DATE: 2023-02-20
	<b>PRODUCT SPECIFICATION: FLORIOL - Refined First Pressed Rapeseed Oil</b>	
Manufacturer/ Distributor	Bunge Polska Sp. z o.o., Plant in Kruszwica ul. Niepodległości 42, 88 - 150 Kruszwica, Poland	
Name	FLORIOL - Refined First Pressed Rapeseed Oil	
Country of origin of the finished product	Poland	
Use of product	Designed for foodstuffs	
List of ingredients	Ingredients: 100 % refined first pressed rapeseed oil.	
Product designation	The product is intended for all consumer groups	
Shelf life	18 months	
Transport conditions	-	
Type of packaging	Bottle PET 1 L/2 L/3 L/5 L	
Storing conditions	Stored at cool and dark place.	
Additional informations/ Claims	-	

#### SENSORY REQUIREMENTS

Sensory requirements	Min Value	Max Value	Description
Taste and smell	-	-	neutral or slightly perceptible taste and odour
Clarity	-	-	oil is transparent, clear, non precipitate

#### PHYSICAL AND CHEMICAL REQUIREMENTS

Physical and chemical requirements	Min Value	Max Value	Target Value	Unit
Lovibond color (5,25" red)	0	1,5	-	-
Water and volatiles	0	0,05	-	% w/w
Insoluble impurities	0	0,02	-	%
Peroxide number after production	0	2,0	-	meq O <sub>2</sub> /kg
Free fatty acids after manufacturing	0	0,1	-	%
Soaps (as sodium oleate)	0	5,0	-	ppm
Erucic acid content (C22:1)	0	2,0	-	% w/w
Phosphorus	0	5,0	-	mg/kg
Lead (Pb)	0	0,10	-	mg/kg
Benzo(a)pyrene	0	2,0	-	µg/kg
Sum of 4 PAHs	0	10,0	-	µg/kg
Glycidol esters	0	1,0	-	mg/kg
3-MCPD and 3-MCPD esters	0	1,25	-	mg/kg

#### MICROBIOLOGICAL REQUIREMENTS

Microbiological requirements	Limit	Unit	Method
Not applicable.	-	-	-

**NUTRITIONAL VALUE**

Nutritional value	Unit	Value per 100 g of product	in 10 g of the product (1 table spoon)
Energy	kJ/kcal	3700 / 900	370 / 90
Fat	g	100,0	10,0
of which saturated fatty acids	g	7,5	0,8
of which monounsaturated fatty acids		65,5	6,6
of which polyunsaturated fatty acids	g	26,5	2,7
Carbohydrate	g	0	0
of which sugar	g	0	0
Protein	g	0	0
Salt	g	0	0
Omega-3 fatty acids	g	8,0	0,8
Omega-6 fatty acids	g	19,0	1,9
Vitamin E	mg	25 (208 %**)	2,5 (20,8 %**)
Vitamin K	µg	75 (100 %**)	7,5 (10 %**)

Vitamin E - natural content

Vitamin K - natural content

\*\* % RDI- daily reference intakes of vitamins and minerals (for adults)

**ALLERGENS**

Allergens	Yes / No
Cereals containing gluten, namely: wheat (such as spelt and khorasan wheat), rye, barley, oats or their hybridised strains, and products thereof	No
Crustaceans and products thereof	No
Eggs and products thereof	No
Fish and products thereof	No
Peanuts and products thereof	No
Soybean and products thereof	No
Milk and products thereof	No
Nuts and products thereof (Walnuts, Brazil nuts, cashew nuts, pecan, hazelnuts, pistachio, almonds and macadamia nuts)	No
Celery and products thereof	No
Mustard and products thereof	No
Sesame and products thereof	No
Sulphur dioxide and Sulphites (>10 mg/kg)	No
Lupin and products thereof	No
Molluscs and products thereof	No

In accordance with Regulation 1169/2011 / EU, Annex II.

**LEGAL REQUIREMENTS**

Description
According to the Regulation 1829/2003 and Regulation 1830/2003 of the EU Parliament with subsequent amendments product does not require the labelling as a food produced from GMO's.
Product complies with Commission Regulation (EC) No 1881/2006 of 19 December 2006 with subsequent amendments and Regulation (EC) No 396/2005 of 23 February 2005 with subsequent amendments.
Product complies with Polish and EU regulations regarding refined vegetable oils.

Oil Innovation Lead NCE	Quality and Food Safety Manager	Deputy Plant Manager Kobylniki	
Barbara Stawicka	Lidia Sadowska	Przemysław Stępnik	
