

ŽITO Grupa
Tvornica ulja Čepin
PRODUCT SPECIFICATION

Dok. br. 689, ver. 6:2018

Product	Edible (refined) sunflower oil			
Group	-			
Country of origin	Croatia			
Production code	-			
Method of processing	Produced by crude degummed sunflower oil refining			
Intended use	Used for immediate consumption, in human nutrition			
Packaging	1 L, 5 L (PET)			
Transport packaging	Shrink-wrapped and packed in cardboard boxes, pallets, containers and bulk			
Shelf life	12 months			
Storage	Store in a dark and cool place			
Shipping	Edible sunflower oil in bulk is transported in dry and clean silo tank. Packages - transport vehicle			
Handling before use or processing	-			
Contents	Sunflower oil	100	%	
Nutritional values	Average nutritional values in 100 ml			
	Energy	3404 kJ / 828 kcal		
	Fats	92 g		
	of which			
	Saturated fatty acids	10 g		
	Monounsaturated fatty acids	28 g		
	Polyunsaturated fatty acids	54 g		
	Carbohydrates	0 g		
	of which			
	Sugars	0 g		
	Proteins	0 g		
	Salt	0 g		
	Vitamin E	51 mg (425 % *)		
	* % reference intake			
Quality	Free fatty acid (as oleic acid)	Max 0,15	%	ISO 660
	Peroxide value	Max 4,00	mmol O ₂ /kg	ISO 3960
	Moisture and volatile matter	Max 0,20	%	ISO 662
	Unsaponifiable matter	Max 1,50	%	ISO 3596
	Density at 20°C	0,918 - 0,923		ISO 6883
	Refraction index n _D 40°C	1,461 - 1,468		ISO 6320
	Iodine value	118 - 141		ISO 3961
	Saponification value	188 - 194	mg KOH/g oil	ISO 3657
	Trans fatty acids	Max 1	%	ISO 12966
	Fatty acid composition			ISO 12966
	C 14:0	Max 0,20	%	
	C 16:0	5,00 - 7,60	%	
	C 18:0	2,70 - 6,50	%	
	C 18:1	14,00 - 39,40	%	
	C 18:2	48,30 - 74,00	%	
	C 18:3	Max 0,30	%	
	C 20:0	0,10 - 0,50	%	
	C 20:1	Max 0,30	%	
	C 22:0	0,30 - 1,50	%	
	C 22:1	Max 0,30	%	
	C 24:0	Max 0,50	%	

Food safety

Biological properties				
	Aerobic mesophilic bacteria	< 10	cfu/g	ISO 4883
	Enterobacteriaceae	< 10	cfu/g	ISO 21528
	Listeria monocytogenes	< 100	cfu/g	ISO 11290-2
	Yeast and molds	< 10	cfu/g	ISO 21527-2
Chemical properties				
Heavy metals	Lead	Max 0,10	mg/kg	ISO 12193
Pesticides	EU Directive 396/2005			
Allergens	NO			
Physical properties				
The absence of foreign materials				

Organoleptic properties Appearance at 20 °C: Clear liquid, characteristic yellow color.
Taste and smell: neutral to characteristic

Legislation

Regulation (EU) 178/2002
Regulation (HR) on edible oils and fats (NN 11/2019 and Amendments),
Regulation (HR) on food hygiene and microbiological criteria for food (NN 81/2013)
Regulation (EU) 1881/2006
EU Directive 396/2005
Regulation (EU) 1169/2011

Approver of the document		Business function		Signature	
				Electronic approved	
Print date	User of the printed copy	Approver of the print	Signature		

Certificate HR15/818842644

SGS

Certificate

The certification body SGS-ICS GmbH confirms that the processing activities of

Tvornica ulja Čepin d.d.

COID: 46375

Ulica grada Vukovara 18
31431 Čepin
Croatia

meet the requirements of the

IFS Food

Version 6.1, November 2017

and other associated normative documents for the audit scope:

Production and packaging of crude and refined sunflower oil filled in PET bottles and IBC containers. Production of crude vegetable oil from rapeseed and soybean seed filled in stainless steel tanks.

Proizvodnja i pakiranje sirovog i rafiniranog suncokretovog ulja pakiranog u PET boce i IBC kontejnere. Proizvodnja sirovog repičinog i sojinog ulja punjenog u inox cisterne.

Product scope: 9. Oils and fats

Technology scopes: C, E, F

on Higher Level with a score of 97,61%.

Issue: 7. Date of the audit: 09/11/2020 - 10/11/2020

**Next audit to be performed within the time period: 10/10/2021 - 19/12/2021
or unannounced**

Certificate issued on: 04/01/2021

Certificate valid until: 29/01/2022



Authorised by

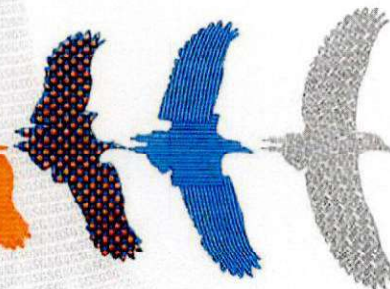
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