



**INSTITUTE OF PUBLIC HEALTH OF REPUBLIC OF
NORTH MACEDONIA
- SKOPJE -**

Institute of public health of the Republic of North Macedonia is accredited by Accreditation Institute of the Republic of Macedonia, according to the requirements of the standard MKS EN ISO/IEC 17025:2005 for chemical, microbiological and radiological testing of food and water

CERTIFICATE OF FOOD ANALYSIS

Product:	ORGANIC RAW HAZELNUT
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ANALYSIS

Quality

Parameter	Measuring unit	Measured quantity	Max. allowed concentration	Method
Water content	%	3.29		
Fat	%	63.75		
salt	%	0.35		
carbohydrates	%	17.01		
proteins	%	15.6		

Organophosphorus pesticides

Parameter	Measuring unit	Measured quantity	Max. allowed concentration	Method
Phorate	mg/kg(l)	n.d	0.02	
Pirimiphos-methyl	mg/kg(l)	n.d	0.01	
Fenitrothion	mg/kg(l)	n.d	0.02	
Parathion-methyl	mg/kg(l)	n.d	0.02	
Parathion	mg/kg(l)	n.d	0.05	
Ethoprophos	mg/kg(l)	n.d	0.02	
Terbufos	mg/kg(l)	n.d	0.01	
Diazinon	mg/kg(l)	n.d	0.02	
Malathion	mg/kg(l)	n.d.	0.02	
Fenthion	mg/kg(l)	n.d.	0.01	
Fenamiphos	mg/kg(l)	n.d.	0.02	
Ethion	mg/kg(l)	n.d	0.02	
Phosmet	mg/kg(l)	n.d.	0.1	

Phosalone	mg/kg(l)	n.d	0.05	
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Aflatoxins				
Parameter	Measuring unit	Measured quantity	Max. allowed concentration	Method
Total aflatoxins	mcg/kg	0	4	

Microbiological analysis

Parameter	Measuring unit	Measured quantity	Max. allowed concentration	Method
Salmonella spp.	absence in 25 g	n.d		MKC EN ISO 6579-1,3:2017
Moulds	cfu/g	n.d.	100	ISO 21527-1,2:2008
Aerobic mesophilic bacteria count	cfu/g	n.d.	10000	ISO 4833:2013
Enterobacteriaceae	cfu/g	n.d	100	ISO 21528-2:2017

Metals

Parameter	Measuring unit	Measured quantity	Max. allowed concentration	Method
Cadmium	mg/kg(l)	n.d.		
Lead	mg/kg(l)	n.d.		

We herewith confirm that this product has been tested to the food safety requirements. According to the results, it complies with the national legislation for food safety and is suitable for human consumption.

HEAD OF THE DEPARTMENT OF FOOD SAFETY
Assoc. Prof. Gordana Ristovska, MD, PhD

