


 2H1145
 ДСТУ ISO/IEC 17025:2006

 ДП «ДЕРЖАВНИЙ ЦЕНТР СЕРТИФІКАЦІЇ І
 ЕКСПЕРТИЗИ СІЛЬСЬКОГОСПОДАРСЬКОЇ
 ПРОДУКЦІЇ»


Gafta

 SE "STATE CENTRE OF AGRICULTURAL PRODUCTS
 CERTIFICATION AND EXAMINATION"

 The laboratory is accredited by National Accreditation Agency of Ukraine (NAAU)
 Accreditation certificate No. 2H1145, valid till January 9, 2019
 The laboratory is attested by Ukragrostandartcertificatsiya
 Attestation certificate No.A15-018 valid till August 19, 2020
 The laboratory is attested by SE "Kievobstandartmetrologiya"
 Attestation certificate No.70A-133-15 valid till December 31, 2018

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APPROVED BY:

 Director of the Center N. Grunvald

TESTING PROTOCOL

No. 199 dated January 30, 2017

 Customer: Horus Group LLC, 55 Bohdana Khmelnytskogo str., Kyiv, 01054
 name, address

 Commodity: Walnuts kernels (Sampling letter dated January 23, 2017)

 Regulating document on commodity: National Standard of Ukraine GOST 16833-71 "Walnut Kernels. Technical Specifications"

 Date of sample receipt: January 25, 2017 Dates of testing: January 25 – January 27, 2017

 Laboratory that carried out the tests: Department of Microbiological Laboratory Researches, Department of Physical and Chemical Laboratory Researches

Laboratory's environmental factors meet the requirements of measurement and are fixed in the appropriate journals

Tests' Results

Safety parameters/characteristics

Parameter/Characteristic, unit of measure	Tests' Results	Testing Method used	Expanded uncertainty k=2
Toxic elements content, mg/kg			
Lead	<0.013	GOST 30178-96	-
Cadmium	<0.0012	GOST 30178-96	-
Copper	2.05	GOST 30178-96	-
Zinc	25.54	GOST 30178-96	-
Mercury	<0.003	MV.VL.5.4-09-2013	-
Arsenic	<0.002	MV.VL.5.4-09-2013	-
Mycotoxins content, mg/kg			
Aflatoxin B ₁	<0.004	MV 15-14/73	-
Zearalenone	<0.05	MV 15-14/73	-
T-2 toxin	<0.03	MV 15-14/73	-
Deoxynivalenol	<0.50	MV 15-14/73	-
Ochratoxin A	<0.002	MV 15-14/73	-
Radiological testing			
The specific activity of Caesium-137 (Cs ¹³⁷), Bq/kg	12.8	MV 6.6.1-10.1.7.158-08	-
The specific activity of Strontium-90 (Sr ⁹⁰), Bq/kg	6.40	MV 6.6.1-10.1.7.158-08	-
GMO content			
Parameter/Characteristic, unit of measure	Tests' Results	Testing Method used	Expanded uncertainty k=2
Detection of genetically modified organisms (GMOs) using polymerase chain reaction (PCR, practical detection limit of 0.1%)	p35S	not detected	DSTU ISO 21569:2008 DSTU ISO 21571:2008
	tNOS	not detected	

 Responsible officers: / N. Goncharova, Head of Department of Microbiological Laboratory Researches
 N. Lapai, Head of Testing Laboratory

Responsible for the preparation and issuance of this protocol: O. Pospheyeva Leading Engineer

Notes:

- This Testing Protocol applies to the samples submitted for testing.
- The list of equipment used to carry out the tests can be presented on request.
- This Testing Protocol can be fully or partially reproduced under the written consent of the Centre only.
- The specified values of the measurements' uncertainty are the actual values expressed in units of the measurement, and obtained by multiplying the standard uncertainty by a covering factor k = 2, providing normal distribution of uncertainty, and approximately corresponds to 95% probability of covering.

End of Testing Protocol