# VOLYN BRANCH OF THE STATE ENTERPRISE LVIV SCIENTIFICALLY PRODUCTION CENTER OF STANDARDIZATION, METROLOGY AND CERTIFICATION"

## (SE "LVIVSTANDARTMETROLOGY")

**Test center** 

accredited by the National Accreditation Agency of Ukraine according to the requirements of DSTU ISO/ IEC 17025

Certificate of accreditation №20114 from to 2 november 2028

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Test report of product samples

№263 from 03.04.2024

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- 1. Name of product: Manna cereal
- 2. Manufacturer: LLC VILIA-PRODUCT, Rankova str 26, Lutsk, Volyn region
- 3. Customer trials: LLC VILIA-PRODUCT, Rankova str 26, Lutsk, Volyn region
- 4. The purpose of testing: On request
- 5. Sampling Act (application for testing) from: 26.03.2024, registered by the Center on №99
- 6. The date of receipt of samples for tests: 26.03.2024
- 7. Date(s) carrying out the tests: 26.03.2024 -03.04.2024
- 8. The amount of tested samples: 2 kg
- 9. Details of the party from which the samples were selected: <u>1500 tons</u>, <u>2024</u>
- 10. The results of the test are presented in tables and apply only the samples of products that have been tested
- 11. Total or partial reprinting of the report is forbidden without the laboratory permission

Responsible for the report execution

Agh

head of the sector Shepelia T.S.

 $\Phi$ CY - 7.8/01 (version 14-2019)

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### Test results

The content of micotoxines according to GOST 7022-97

Nº	Description	Measuring unit	Test method document	Value and permit of the index according to the standard	Test results	Accuracy
1	Aflatoxin B1	mg/kg	MU № 4082-86	not more than 0.005	less 0.001	0.001*
2	Zearalenone	mg/kg	MV №5177-90	not more than 1000	less 41	41*
3	Deoxyvalenol	mg/kg	MV №5177-90	not more than 500	less 200	200*
4	T-2 toxin	mg/kg	MV VC-03.01	not more than 0.1	less 0.06	0.06*
5	Ochratoxin A	mkg/kg	MV from 25.12.2014	-	less 2.0	2.0*
6	Suma aflatoxin (B1,B2,G1,G2)	mkg/kg	MV 15-14/316 from 25.12.2014	-	less 1.75	1.75***

Responsible for the execution

quality manager Bratiuk V.M.

Head of the Sector Samoliuk L.A

microbiologist Babii Yu.Yu.

The content of toxic elements according to GOST 7022-97

Nº	Description	Measuring Test method document		Value and permit of the index according to the standart	Test results	Accuracy
1	Copper	mg/kg	GOST 30178-96	not more than 10.0	1.3	+/-11%***
2	Plumbum <sup>-</sup>	mg/kg	GOST 30178-96	not more than 0.5	0.020	+/-18%***
3	Cadmium	mg/kg	GOST 30178-96	not more than 0.1	0.012	+/-12%***
4	Zinc	mg/kg	GOST 30178-96	not more than 50.0	10.1	+/-9%***
5	Mercury	mg/kg	MV 5178-90	not more than 0.03	less 0.008	0.008*
6	Arsenic	mg/kg	DSTY ISO 2590:2004	not more than 0.2	less 0.08	0.08*

Responsible for the execution

Chemical engineer Savchenko A.A.

Chemical engineer Sira A.V.

Radiological indicators according to FH 6.6.1.1-130-2006

Nº	Description	Measuring unit	Test method document	Value and permit of the index according to the standart	Test results	Accuracy
1	Cs-137	Bk/kg	MI 12-08-99	not more than 30	5.72	+/-2.42
2	Sr-90	Bk/kg	MI 12-08-99	not more than 10	4.36	+/-1.82
3	Compliance rate B	atn unit	GN 6 6.1.1-130-2006	B+0.6 ∆ B≤1.0	0.64	+/-0.173

Responsible for the execution

Head of the Sector Samoliuk L.A

ΦCY - 7.8/01 (version 14-2019)

**Test report** of product samples

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#### Test results

## The content of pesticides according to GOST 7022-97

Nº	Description	Measuring unit	Test method document	Value and permit of the index according to the standart	Test results	Accuracy
1	Heptachlor	mg/kg	MV 1112-73	not alloved	less 0.004	0.004*
2	Aldrin	mg/kg	MV 1112-73	not alloved	less 0.004	0.004*
3	Metafos	mg/kg	MV 3222-85	not alloved	less 0.02	0.02*
4	Karbofos	mg/kg	MV 3222-85	not more than 1.0	less 0.02	0.02*

Responsible for the execution

quality manager Bratiuk V.M.

Head of the Sector Samoliuk L.A

#### The content of GMO

Nº	Description	Measuring unit	Test method document	Value and permit of the index according to the standart	Test results	Accuracy
1	The detection of genetically modified plant DNA (35S promoter cauliflower mosaic virus (CaMV) <sup>1</sup>	-	DSTY ISO 21569:2008	-	not detected	0.01%*
2	The detection of genetically modified plant DNA (NOS-terminator from the Agrobacterium tumefaciens) <sup>1</sup>	-	DSTY ISO 21569:2008	-	not detected	0.01%*

Note: 1 the target sequence of promoter 35S Ca MV and FMV, NOS terminator - are sequence Genetically modified foods. ВОЛИНСЬКА

Responsible for the execution

\* - limit of sensitivity of the method
\*\*- limit of sensitivity of the device
\*\*\*- the difference between parallel trials

microbiologist Babii Yu.Yu