

LLC "AGRO STAR UKRAINE"

65031, UKRAINE, ODESSA, PROMYSHLENNAYA STR., 28 K

CERTIFICATE OF QUALITY AND NON-GMO



Production name: Rapeseeds

Date of production: Crop 2022

Production consignment size/Lot: 20860,00kg

Statement of selection: numberless of August, 29, 2022

Producing company: LLC "AGRO STAR UKRAINE" 65031, UKRAINE, ODESSA, PROMYSHLENNAYA STR., 28 K

Date of receiving the samples for the researches August, 28, 2022

Period of the researches August, 28, 2022- August, 29, 2022

Object of the researches is the samples testing for meeting the requirements of DSTU 4966:2008 "SEEDS OF RAPE" MER 5061-89, «Allowable levels of radioactive nuclides Cs-137 та Sr-90 in foodstuff and drinking water» (GN 6.6.1.1-130-2006).

Results of the researches:

No	Titles of the researches items and figures	Factual value	Allowable level	Documents and researching methods	Deviation
1	Humidity, %	7	<8,5	DSTU 4811, DSTU ISO 10565	0,05 %
2	Admixture, %	1,5	<2	GOST 10854	-
3	Sulphur dioxide (E220), %	<0,0005	< 0,005	DSTU ISO 5523:2007	
Aflatoxins content, mg/kg					
4	Aflatoxin B ₁	< 0,0005*	< 0,005	MV 4082-86	
5	Aflatoxin B ₂	< 0,0005*	unregulated	MV 4082-86	
6	Aflatoxin G ₁	< 0,0005*	unregulated	MV 4082-86	
7	Aflatoxin G ₂	< 0,0005*	unregulated	MV 4082-86	
Pesticides residual quantity content, mg/kg					
8	γ-HCH	< 0,001*	unregulated	DSTU EN 1528-1:2003	
9	DDT	< 0,007*	unregulated		
10	Aldrin	< 0,001*	not allowable		
11	Geptachlorine	< 0,001*	not allowable		
Toxic elements content, mg/kg					
12	Lead	<0,003*	<0,5	GOST 30178-96	
13	Cadmium	< 0,005*	<0,1	GOST 30178-96	
14	Arsenic	< 0,08*	<0,3	GOST 30178-96	
15	Copper	1,6	< 15,0	GOST 30178-96	0.08 %
16	Mercury	< 0,003*	<0,05	DSTU ISO 6637-2001	
Radioactivity, Bq/kg					
17	Cesium-137	<2,79*	<50	MI-12-08-99	40%
18	Strontium-90	< 4,83*	< 20	MI-12-08-99	40%
Microbiological indicators					
19	Anaerobic sulfite-reductors, 1,0	not found	not allowable	GOST 29185-91	
20	Clostridium perfringens, 1,0	not found	not allowable	GOST 10444.9-75	
21	GMO	not found			
22	Oil content	41 %			
23	Erucic acid concentration	max. 2%			
24	Free fatty acids	max. 2%			
25	Gglucosinolates	max 25 μmol/g			

Нітрати	Назва продукції	Вміст, мг/кг	ГДК, мг/кг Limit
	Name of products	Content p.p.m	p.p.m
	Rapeseeds	28,0	60,0
	Metomil 0.02Mg/Kg	Lead 0.003 Mg/Kg	Zinc 0.30Mg/kg
	Oksamil 0.01 Mg/Kg	Arsenic 0.08 Mg/Kg	
	Vinklozolin not find out	Cadmium 0.005Mg/Kg	
	Pesticides-is not find out	Mercury 0.003Mg/kg	
	AflatoksinB1,B2-is not find out	Copper 1.6 Mg/kg	
	AflatoksinG1,G2-is not find out	SO₂ is no find out	

Nitrates
Director

Uskanova L. M.