

Appendix to the Accreditation Certificate  
 No. 201170  
 dated December 19, 2023

**SCOPE OF ACCREDITATION**

**STATE INSTITUTION "CHERNIHIV REGIONAL PHYTOSANITARY LABORATORY"**

(name of testing laboratory, center)

No.	Name of the object (product, material, substance, etc.)	Name of tests and (or) characteristics (parameters) to be determined	Designation of normative documents on test methods
1	2	3	4
<b>Фітосанітарна експертиза (аналізи)</b>			
<b>I. Ентомологічна експертиза</b>			
1.	Plant products: seed material; grain and grain products; planting material; cut flowers, branches, leaves; fresh fruits and vegetables; dried fruits and spices; plant-fibrous materials; garbage; pheromone traps; Timber, wood and wood products	Detection of entomological harmful organisms	DSTU 3354-96, cl. 5.2, 5.4 Varshalovich A.A. Entomological examination / Varshalovich A.A. // Guide to inspection and examination of plant and other quarantineable materials [ed. by Varshalovich A.A. and Shamonin M.H.], - M.: Kolos, 1972. - P.47-206. Methodology for surveying forest plantations, inspecting and selecting samples of timber, wood and wood products: methodical recommendations [Romanchenko V.O., Chelombitko A.F., Ostryk I.M. and others].-K: State Veterinary and Phytosanitary Service of Ukraine, 2012. – 102 p.

Head of Laboratory Accreditation Department

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		Identification of <i>Frankliniella occidentalis</i> Perg.	PM 7/11 European and Mediterranean Plant Protection Organization. Diagnostic protocols for regulated harmful organisms. <i>Frankliniella occidentalis</i> . Cl. Identification
		Identification of <i>Diabrotica virgifera virgifera</i> Le Conte	PM 7/36 European and Mediterranean Plant Protection Organization. Diagnostic protocols for regulated harmful organisms. <i>Diabrotica virgifera virgifera</i> , cl. 4
		Identification of <i>Ceratitis capitata</i> Wied.	PM 7/104 European and Mediterranean Plant Protection Organization. Diagnostic protocols for regulated harmful organisms. <i>Ceratitis capitata</i> . Cl. Identification
		Identification of <i>Hyphantria cunea</i> Drury	Ustinov I.D. Quarantine of plants. Part 1. Quarantine pests. Guide for practical classes on the basics of diagnosis and detection of quarantine objects / Ustinov I.D., Movchan O.M., Kudina Zh.D.; ed. Litvenenko A.O. - Kyiv: MVP Publishing House "IRIS", 1995. - 416 p. P. 307-318
		Identification of <i>Tuta absoluta</i> Meyr.	Lovtsova Yu.A., Kamaev I.O. // Identification of caterpillars quarantined for the Eurasian Economic Union species of notched-winged moths (Lepidoptera: Golenchiidae)/Plant quarantine science and practice/ September 2019.- No. 3 – P.34-43

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		<b>2. Mycological examination</b>	
2.	Plant products: seed material; grain and grain products; planting material; cut flowers, branches, leaves; fresh fruits and vegetables; dried fruits and spices; plant-fibrous materials; roundwood, lumber and wood packaging material	<p>Detection of pathogens of fungal diseases</p> <p>Identification of <i>Monilinia fructicola</i> (Winter) Honey</p> <p>Identification of <i>Puccinia horiana</i> P. Hennings</p> <p>Identification of <i>Tilletia indica</i> Mitra</p> <p>Identification of <i>Phytophthora fragariae</i> Hickman</p>	<p>DSTU 4180-2003, cl. 6.2, 6.3, 6.4, 6.6.3</p> <p>Yakovleva N.S. Mycological examination / Yakovleva N.S. // Guide to inspection and examination of plant and other quarantined materials [ed. By Varsholovich A.A. and Shamonin M.H.]. - M.: Kolos, 1972. - p. 207-262</p> <p>PM 7/18 European and Mediterranean Plant Protection Organization. Diagnostic protocols for regulated harmful organisms. <i>Monilinia fructicola</i>, cl. 4</p> <p>PM 7/27 European and Mediterranean Plant Protection Organization. Diagnostic protocols for regulated harmful organisms. <i>Puccinia horiana</i>, cl. 4</p> <p>PM 7/29 European and Mediterranean Plant Protection Organization. Diagnostic protocols for regulated harmful organisms. <i>Tilletia indica</i>, cl. 4</p> <p>Detection, identification and accounting of phytophthora of strawberry roots <i>Ph. fragariae</i> var. <i>fragariae</i>: <i>methodical recommendations</i> / [Melnyk P.O., Skoreyko A.M., Andriychuk T.O.]; State Service for Plant Quarantine of Ukraine. - Chernivtsi, 2006. - 28 p.</p>

1	2	3	4
		Identification of <i>Mycosphaerella linicola</i> Naumov	DSTU 4180-2003 cl. 7, Appendix B, C
		<b>3. Herbological examination</b>	
3.	Cereals (seeds and grain); Legumes (seeds and grain); Cereal and leguminous herbs (seeds); Vegetable crops and fodder root crops (seeds); Flower crops (seeds); Planting material; Pot cultures; Oil, industrial crops (seeds); Reserve products (food, fodder); Other materials (plants, plant-fibrous materials, plant residues, soil, peat, tobacco raw materials, unwashed wool, etc.)	Detection of wild grass seeds	DSTU 4009-2001 cl. 5.2, 5.3
		Identification of <i>Ambrosia artemisiifolia</i> L.	DSTU 4009-2001, cl. 6
		Identification of <i>Cuscuta</i> spp.	DSTU 4009-2001, cl. 6
		Identification of <i>Sorghum halepense</i> (L.) Pers.	DSTU 4009-2001, cl. 6
		<b>4. Bacteriological examination</b>	
4.	Plant products: seed material of agricultural, forest, ornamental, flower and wild plants; plants and their parts: cut flowers, leaves, stems, cuttings, rhizomes, etc.;	Identification of pathogens of bacterial diseases	DSTU 4709:2006, cl. 6.6, 6.7, 6.9.2, 6.9.4 Hein M.K. Bacteriological examination / Hein M.K., Orlova H.I. // Guide to inspection and examination of plant and other quarantineable materials [ed. by Varshalovich A.A. and Shamoinin M.H.]. - Moscow: Kolos, 1972. - p. 263-323



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	fresh fruits and vegetables, tubers, bulbs, etc.; seedlings, pot cultures		PM 7/101 European and Mediterranean Plant Protection Organization. Diagnostic protocols for regulated harmful organisms. Enzyme immunoassay (ELISA) method for detection of phytopathogenic bacteria
		<b>4.1. Molecular and genetic tests by the PCR method in real time</b>	
5.	Plants, plant parts and corn seeds	Identification of the causative agent of bacterial wilt of corn ( <i>Pantoea stewartii</i> )	PM 7/60 European and Mediterranean Plant Protection Organization. Diagnostic protocols for regulated harmful organisms. <i>Pantoea stewartii</i> subsp. <i>stewartii</i> cl. 3.5.2
		<b>5. Phytohelminthological examination</b>	
6.	Seedlings, cuttings, flower bulbs, tubers, rhizomes, plants in pots and other planting material of agricultural, forest and decorative crops; soil and soil mixture; roundwood, lumber, and packaging material - trees that have not been subjected to heat treatment or fumigation	Detection of phytohelminths	DSTU 7406:2013, cl. 5 Borovkova A.M. Phytohelminthological examination / Borovkova A.M. // Guide to inspection and expertise of plant and other quarantineable materials [ed. by Varsholovich A.A. and Shamonin M.H.],-Moscow: Kolos, 1972.-p.340-381. PM 7/119 European and Mediterranean Plant Protection Organization. Diagnostic protocols for regulated harmful organisms. Extraction of nematodes.

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		Identification of <i>Bursaphelenchus xylophilus</i> (Steiner and Buhrer) Nickle	PM 7/4 European and Mediterranean Plant Protection Organization. Diagnostic protocols for regulated harmful organisms. <i>Bursaphelenchus xylophilus</i> cl. Identification
		Identification of <i>Meloidogyne chitwoodi</i> Golden, O'Bannon, Santo & Finley and <i>Meloidogyne fallax</i> Karssen	PM 7/41 European and Mediterranean Plant Protection Organization. Diagnostic protocols for regulated harmful organisms. <i>Meloidogyne chitwoodi</i> та <i>Meloidogyne fallax</i> cl. 4
		Identification of <i>Ditylenchus destructor</i> and <i>Ditylenchus dipsaci</i>	PM 7/87 European and Mediterranean Plant Protection Organization. Diagnostic protocols for regulated harmful organisms. <i>Ditylenchus destructor</i> and <i>Ditylenchus dipsaci</i> cl. 4
		Identification of <i>Heterodera glycines</i> Ichinohe	PM 7/89 European and Mediterranean Plant Protection Organization. Diagnostic protocols for regulated harmful organisms. <i>Heterodera glycines</i> cl. 4
7.	Fresh potatoes, soil	Identification of <i>Globodera rostochiensis</i> (Wollenweber) Behrens	PM 7/40 European and Mediterranean Plant Protection Organization. Diagnostic protocols for regulated harmful organisms. <i>Globodera rostochiensis</i> cl. 4

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<b>6. Virological examination</b>			
8.	Plants, parts of plants	Detection of phytopathogenic viruses	PM 7/125 European and Mediterranean Plant Protection Organization. Diagnostic protocols for regulated harmful organisms. Testing for viruses by the ELISA method
9.	Plum leaves and shoots	Identification of <i>Plum pox potyvirus</i> (small pox)	DSTU 8330:2015 cl. 7.6
10.	Plants and root crops of sugar beet, fodder beet, table beet	Identification of <i>Beet necrotic yellow vein furovirus</i> (rhizomania)	DSTU 5083:2008 cl. 5.1
11.	Raspberries, leaves and shoots, strawberry planting material	Identification of <i>Raspberry ringspot nepovirus</i>	DSTU 7185:2010 cl. 5.3.4.2
		Identification of <i>Tomato ringspot nepovirus</i>	DSTU 7186:2010 cl. 5.3.4.2
<b>Determination of sowing qualities of seeds</b>			
12.	Seeds of agricultural crops (cereals, legumes, groats, oilseeds and technical crops). Seeds of vegetable and melon crops and fodder root crops.	Analysis of seed purity and waste	DSTU 4138-2002, cl. 5
		Analysis of seed germination	DSTU 4138-2002, cl. 7
		Analysis of seed moisture	DSTU 4138-2002, cl. 9
		Analysis of the mass of 1000 seeds	DSTU 4138-2002, cl. 10

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