



## תעודת הסמכה מס' 105 מעבדות השירותים להגנת הצומח ולביקורת משרד החקלאות ופיתוח הכפר

כתובת אתר ייחוס: הקריה החקלאית, דרך המכבים 30, ראשון לציון

עד יום: 31.03.2024

בתוקף מיום: 01.04.2022

הארגון נבדק ונבחן על ידי הרשות הלאומית להסמכת מעבדות (להלן הרשות) ונמצא ראוי להסמכה בהתאם לנספח פירוט היקף ההסמכה המצורף לתעודה זו, המהווה חלק בלתי נפרד ממנה ומספרו זהה למספר התעודה. הסמכה מצביעה על כשירות מקצועית ותפעול מערכת ניהול איכות בעלת הכרה בינלאומית. הארגון המוסמך על ידי הרשות, עומד בתקנים/ בדרישות המפורטים מעלה. דרישות התקנים הם לכשירות מקצועית ולמערכות ניהול, שהינן הכרחיות למתן תוצאות אמינות. הסמכה זו ניתנה בהתאם לכללי ISO/IEC 17011:2017 לפיהם פועלת הרשות ובמסגרתם מקיימת פיקוח שוטף על הארגון לצורך בחינת תפקודו המתמשך בהתאם לדרישות ההסמכה. ההסמכה תקפה כל עוד הארגון עונה לאמות המידה שנקבעו על ידי הרשות. הרשות חתומה על הסכם הכרה רב צדדי (MLA) מול ארגון European Accreditation Cooperation (EA).

תעודה זו אינה מהווה אישור לפי סעיף 12 לחוק התקנים.

אתי פלר  
מנכ"ל

הרשות הלאומית להסמכת מעבדות

תאריך הסמכה ראשון: 01.04.2004



הרשות הלאומית להסמכת מעבדות  
Israel Laboratory Accreditation Authority

**Testing Laboratories**

**ISO/IEC 17025:2017**

**Accreditation Certificate No. 105**

**Plant Protection and Inspection Services Laboratories  
Ministry of Agriculture and Rural Development**

**Main site address:** Agricultural Campus, 30 Hamacabim Road, Rishon Le-Zion, Israel

**Valid from: 01.04.2022**

**Until: 31.03.2024**

The organization was assessed by the Israel Laboratory Accreditation Authority (ISRAC) and found to be worthy of accreditation to the detailed schedule attached.

The schedule is an integral part of this certificate and is numbered with the above certificate number.

Accreditation demonstrates technical competence and operation of an internationally recognized quality management system.

The organization accredited by ISRAC complies with the standards/requirements mentioned above, meets the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically competent results. This accreditation is granted in accordance with the requirements of ISO/IEC 17011:2017, and entails periodic surveillance and reassessment by ISRAC to ensure that the organization continues to comply with the accreditation requirements.

The accreditation is valid provided that the organization continues to meet the criteria as laid down by ISRAC. ISRAC is an EA-MLA (European Accreditation Cooperation Multi-Lateral Agreement) signatory.

This certificate does not constitute an approval in accordance with article 12 of the standard law.

**Date of first accreditation: 01.04.2004**

**Etty Feller  
General Manager  
Israel Laboratory Accreditation Authority**

Date of signature 13/03/2023

Page No. 2 of: 12



Department: Testing Laboratory ISO/IEC 17025:2017

Accreditation No. 105

**Name and Address:**

<b>Laboratory name</b>	<b>Plant Protection and Inspection Services Laboratories, Ministry of Agriculture and Rural Development</b>
<b>Address</b>	Agricultural campus, 30 Hamacabim Road Rishon Le-Zion, Israel
<b>Phone</b>	+972-3-968-1561
<b>Fax</b>	+972-3-968-1582
<b>E-Mail</b>	<a href="mailto:lailas@moag.gov.il">lailas@moag.gov.il</a>

Site: P or T or M , P-Permanent, T-Temporary, M-Mobile

A permanent (P) or temporary (T) place, or a stationary or mobile (M) facility, at or from which the organization performs activities forming part of its scope of accreditation, starting from sampling to final issuance of a report or certificate and / or quality system activities. A temporary (T) site is a site established under the responsibility of an accredited permanent site. All activities performed at a temporary site are the responsibility of the permanent site. An outdoors work is also considered to be a temporary site. Temporary site will be a site that involves work for special project and the activity will be defined in time (up to 2 years).

Type of Scopes: A- Fixed, C- Flexible scope in analytical tests : Type of matrix, analytes, experimental systems and/or analytical characteristics may be subject to changes, in accordance with the laboratory's approved and documented procedures. For details, please refer to the list of Accredited Tests, available from the laboratory upon request



Department: Testing Laboratory ISO/IEC 17025:2017

Accreditation No. 105

Item	Scope Type	Site	Materials / Products Tested	Types of Test / Properties Measured	Standard / Method	Opinion and Interpretation	Remarks
<b>Group of products: Agriculture - Agricultural Products</b>				<b>משפחת מוצרים: חקלאות-מוצרים חקלאיים</b>			
<b>Biological Testing, Bacteria, Fungi and Yeast, Classification and Identification</b>				<b>בדיקות ביולוגיות, חיידקים, פטריות ושמרים, מיון וזיהוי</b>			
1	C	P	Plant tissue and Fungal colonies	רקמה צמחית ומושבות פטרייתיות Morphological Identification of fungal plant diseases	זיהוי מורפולוגי של מחלות צמחים פטרייתיות	In house procedure	--- Based on: European and Mediterranean Plant Protection Organization - Diagnostic Protocols for Regulated Pests. H.L. Barnett and B.B. Hunter (1987) Illustrated Genera of Imperfect Fungi. For Type C details see list no: Annex 2 of SOP 00.06-007

Item	Scope Type	Site	Materials / Products Tested	Types of Test / Properties Measured	Standard / Method	Opinion and Interpretation	Remarks
<b>Group of products: Agriculture - Agricultural Products</b>				<b>משפחת מוצרים: חקלאות-מוצרים חקלאיים</b>			
<b>Biological Testing, Nematodes</b>				<b>בדיקות ביולוגיות, נמטודות</b>			
2	A	P	Soil and plant tissue	קרקע ורקמה צמחית Detection and identification of plant pathogenic Nematodes	גילוי וזיהוי נמטודות פתוגניות לצמחים	In house procedure	--- Based on: 1. Siddiqi, M.R. (2000) Tylenchida Parasites of plants and Insects, 2nd edition, Cabi Publishing, Cab International, Wallingford, UK, 833pp. 2. Nickle W.(1991) Manual of agricultural Nematology 3. Marcel Dekker D.J.Hunt (1993) Aphelenchida, Longidoridae and Trichodoridae: Their Systematics and Bionomics. CAB Lamberti F. (1974), Nematode vectors of plant viruses, V.2 4. Paramonov A.(1968) Plant-parasitic nematodes, V.2 (1978), Root-parasitic Nematodes 5. Krall e. (Hoplolaimidae)



Item	Scope Type	Site	Materials / Products Tested	Types of Test / Properties Measured	Standard / Method	Opinion and Interpretation	Remarks
<b>Group of products: Agriculture - Agricultural Products</b>				<b>משפחת מוצרים: חקלאות- מוצרים חקלאים</b>			
<b>Biological Testing, Nematodes</b>				<b>בדיקות ביולוגיות, נמטודות</b>			
	A	P	Soil and plant tissue	קרקע ורקמה צמחית Detection and identification of plant pathogenic Nematodes	גילוי וזיהוי נמטודות פתוגניות לצמחים In house procedure	---	Nematodes: Anguina tritici, Aphelenchoides besseyi, Aph.fragariae, Aph.subtanius, Aph.ritzemabosi, Aph.blastophthorus, Bursaphelenchus xylophilus, B.mucronatus, Criconemoides sp., Ditylenchus dipsaci, D.destructor, Helycotylenchus dihystera, H.multicinctus, H.pseudorobustus, Hemicycliophora sp., Hirschmanniella oryzae, Heterodera avenae, H.latipons, H.schactii, Hoplolaimus sp., Longidorus africanus, L.cohni, L.elongatus, L.vineacola, Meloidogyne arenaria, M.artiellia, M.hapla, M.incognita, M.javanica, M.marylandi, M.chitwoodi, Paratylenchus sp., Pr.penetrans, Pr.thornei, Pr.vulnus, Rotylenchulus macrorodatus, R.macrosomus, R.reniformis, Rotylenchus robustus, Rodopholus similis, R.citrophilus, Scutellonema brachyurum, Trichodorus christiei, Tr.primitivus, Tylenchorinchus dubius, T.cilindricus, Tylenchulus semipenetrans, Xiphinema brevicolle, X.index, X.insigne, X.italiae, X.mediterraneum, X.pini



Item	Scope Type	Site	Materials / Products Tested	Types of Test / Properties Measured	Standard / Method	Opinion and Interpretation	Remarks	
<b>Group of products: Agriculture, Agricultural products</b>					<b>משפחת מוצרים: חקלאות, מוצרים חקלאיים</b>			
<b>Seeds &amp; Plants Health, Chemical Testing, Spectroscopy</b>					<b>בריאות זרעים וצמחים, בדיקות כימיות, ספקטרוסקופיה</b>			
3	C	P	Identification of plants pathogenic bacteria and environmental bacteria origin from isolated colony	זיהוי חיידקים פתוגניים לצמחים וחיידקים סביבתיים, שמקורם ממושבה מבודדת carbon source utilization assay	בדיקת ניצול מקורות פחמן In house procedure	---	Biolog Inc. Biolog Microbial Identification System & GEN III Microplate. This method refers to bacteria that have ability to grow on culture media at laboratory conditions. This method does not include the isolation stage. For Type C details see list no: Annex 8 of SOP 00.06-109	



Item	Scope Type	Site	Materials / Products Tested	Types of Test / Properties Measured	Standard / Method	Opinion and Interpretation	Remarks
<b>Group of products: : Agriculture - Agricultural Products</b>				<b>משפחת מוצרים: חקלאות-מוצרים חקלאים</b>			
<b>Seeds &amp; Plants Health, Molecular Methods</b>				<b>בריאות זרעים וצמחים, שיטות מולקולריות</b>			
4	C	P	Plant tissue	רקמה צמחית Detection and identification of Viruses by PCR	גילוי וזיהוי וירוסים בשיטת PCR	In house procedure	---  Based on: ISHI-Veg (ISF Protocol): Best Practices for PCR Assays in Seed Health Tests  ISHI = International Seed Health Initiative for vegetables Seeds  ISF = International Seed Federation  For Type C details see list no: Annex 11 of SOP 00.06-001
5	C	P	Plant tissue	רקמה צמחית Detection and Identification of Bacteria by PCR	גילוי וזיהוי חיידקים בשיטת PCR	In house procedure	---  Based on: ISHI-Veg (ISF Protocol): Best Practices for PCR Assays in Seed Health Tests  For Type C details see list no: Annex 11 of SOP 00.06-001
6	C	P	Plant tissue	רקמה צמחית Detection and identification of Fungi by PCR	גילוי וזיהוי פטריות בשיטת PCR	In house procedure	---  Based on: ISHI-Veg (ISF Protocol): Best Practices for PCR Assays in Seed Health Tests  For Type C details see list no: Annex 11 of SOP 00.06-001
7	C	P	Plant tissue	רקמה צמחית Detection and Identification of Viroids by PCR	גילוי וזיהוי וירואידים בשיטת PCR	In house procedure	---  Based on: ISHI-Veg (ISF Protocol): Best Practices for PCR Assays in Seed Health Tests  For Type C details see list no: Annex 11 of SOP 00.06-001



Department: Testing Laboratory ISO/IEC 17025:2017

Accreditation No. 105

Item	Scope Type	Site	Materials / Products Tested		Types of Test / Properties Measured	Standard / Method	Opinion and Interpretation	Remarks	
<b>Group of products: Food, Water and Beverages</b>					<b>משפחת מוצרים: מזון, מים ומשקאות</b>				
<b>Chemical Testing, Chromatography, GC\MS</b>					<b>בדיקות כימיות, כרומטוגרפיה, GC\MS</b>				
8	C	P	High Water Content Food of Plant Origin	מזון ממקור צמחי בעל תכולת מים גבוהה	Pesticides	שאריות חומרי הדברה	In house procedure	----	Based on: 1. SANTE 11813, Guidance document on analytical quality control and method validation procedures for pesticides residues analysis in food and feed. 2. Analytical Methods for Pesticides Residue in Foodstuffs, Ministry of Public Health, The Netherlands and Anastassiades, M., Lehotay, S. J., Stajnbaher, D., and Schenck, F. J. (2003). 3. Fast and easy multiresidue method employing acetonitrile extraction/partitioning and "dispersive solid-phase extraction" for the Determination of Pesticide Residues in Produce. J.AOAC Int. 86, 412-421.  For Type C details see list no: 00.05-46T.01





Department: Testing Laboratory ISO/IEC 17025:2017

Accreditation No. 105

Item	Scope Type	Site	Materials / Products Tested	Types of Test / Properties Measured	Standard / Method	Opinion and Interpretation	Remarks		
<b>Group of products: Food, Water and Beverages</b>				<b>משפחת מוצרים: מזון, מים ומשקאות</b>					
<b>Chemical Testing, Chromatography, GC\MS</b>				<b>בדיקות כימיות, כרומטוגרפיה, GC\MS</b>					
9	C	P	High Acid Content and High Water Content Food of Plant Origin	מזון ממקור צמחי בעל חומציות גבוהה ובעל תכולת מים גבוהה	Pesticides	שאריות חומרי הדברה	In house procedure	---	Based on: 1. SANTE 11813, Guidance document on analytical quality control and method validation procedures for pesticides residues analysis in food and feed. 2. Analytical Methods for Pesticides Residue in Foodstuffs, Ministry of Public Health, The Netherlands and Anastassiades, M., Lehotay, S. J., Stajnbaher, D., and Schenck, F. J. (2003). 3. Fast and easy multiresidue method employing acetonitrile extraction/partitioning and "dispersive solid-phase extraction" for the Determination of Pesticide Residues in Produce. J.AOAC Int. 86, 412-421.  For Type C details see list no: 00.05-46T.01



Item	Scope Type	Site	Materials / Products Tested		Types of Test / Properties Measured	Standard / Method	Opinion and Interpretation	Remarks
<b>Group of products: Food, Water and Beverages</b>					<b>משפחת מוצרים: מזון, מים ומשקאות</b>			
<b>Chemical Testing, Chromatography, LC/MS/MS</b>					<b>בדיקות כימיות, כרומטוגרפיה, LC/MS/MS</b>			
10	C	P	High Water Content Food of Plant Origin	מזון ממקור צמחי בעל תכולת מים גבוהה	Pesticides	שאריות חומרי הדברה In house procedure	----	Based on: 1. SANTE 11813, Guidance document on analytical quality control and method validation procedures for pesticides residues analysis in food and feed. 2. Analytical Methods for Pesticides Residue in Foodstuffs, Ministry of Public Health, The Netherlands and Anastassiades, M., Lehotay, S. J., Stajnbaher, D., and Schenck, F. J. (2003). 3. Fast and easy multiresidue method employing acetonitrile extraction/partitioning and "dispersive solid-phase extraction" for the Determination of Pesticide Residues in Produce. J.AOAC Int. 86, 412-421.  For Type C details see list no: 00.05-46T.01



Department: Testing Laboratory ISO/IEC 17025:2017

Accreditation No. 105

Item	Scope Type	Site	Materials / Products Tested	Types of Test / Properties Measured	Standard / Method	Opinion and Interpretation	Remarks		
<b>Group of products: Food, Water and Beverages</b>				<b>משפחת מוצרים: מזון, מים ומשקאות</b>					
<b>Chemical Testing, Chromatography, LC/MS/MS</b>				<b>בדיקות כימיות, כרומטוגרפיה, LC/MS/MS</b>					
11	C	P	High Acid Content and High Water Content Food of Plant Origin	מזון ממקור צמחי בעל חומציות גבוהה ובעל תכולת מים גבוהה	Pesticides	שאריות חומרי הדברה	In house procedure	---	Based on: 1. SANTE 11813, Guidance document on analytical quality control and method validation procedures for pesticides residues analysis in food and feed. 2. Analytical Methods for Pesticides Residue in Foodstuffs, Ministry of Public Health, The Netherlands and Anastassiades, M., Lehotay, S. J., Stajnbaher, D., and Schenck, F. J. (2003). 3. Fast and easy multiresidue method employing acetonitrile extraction/partitioning and "dispersive solid-phase extraction" for the Determination of Pesticide Residues in Produce. J.AOAC Int. 86, 412-421.  For Type C details see list no: 00.05-46T.01



Department: Testing Laboratory ISO/IEC 17025:2017

Accreditation No. 105

Item	Scope Type	Site	Materials / Products Tested	Types of Test / Properties Measured	Standard / Method	Opinion and Interpretation	Remarks
<b>Group of products: : Agriculture- Agricultural Products</b>				<b>משפחת מוצרים: חקלאות- מוצרים חקלאים</b>			
<b>Chemical Testing, Chromatography, GC</b>				<b>בדיקות כימיות, כרומטוגרפיה, GC</b>			
12	C	P	Pesticides	חומרי הדברה Active material concentration	ריכוז החומר הפעיל In house procedure	---	For Type C details see list no: 00.05-48T.01

Item	Scope Type	Site	Materials / Products Tested	Types of Test / Properties Measured	Standard / Method	Opinion and Interpretation	Remarks
<b>Group of products: : Agriculture- Agricultural Products</b>				<b>משפחת מוצרים: חקלאות- מוצרים חקלאים</b>			
<b>Chemical Testing, Chromatography, HPLC</b>				<b>בדיקות כימיות, כרומטוגרפיה, HPLC</b>			
13	C	P	Pesticides	חומרי הדברה Active material concentration	ריכוז החומר הפעיל In house procedure	---	For Type C details see list no: 00.05-48T.01