Hellenic Accreditation System

ACCREDITATION CERTIFICATE

No. 489-7

The *Hellenic Accreditation System (ESYD), as the national accreditation body of Greece* in accordance with the Law 4468/2017,

ACCREDITS

the

Testing Laboratories

in Athens, Thessaloniki, and Rethymno

of the

«TÜV AUSTRIA FOOD ALLERGENS LABS»

headquartered in Athens

under the terms of the ELOT EN ISO/IEC 17025:2017 Standard and the ESYD Criteria, to carry out tests, as specified in the attached Scope of Accreditation, which may be revised by decisions of ESYD.

The initial accreditation was issued on 22.12.2008. This Certificate is valid until 19.01.2026, provided that the accredited body will comply with the above Standard and the ESYD Criteria.

Athens, 22nd of December 2022

ΕΘΝΙΚΟ ΣΥΣΤΗΜΑ ΔΙΑΠΙΣΤΕΥΣΗΣ ESYD ΔΟΥ: ΚΑΛΛΙΘΕΑΣ 000397 - ΔΟΥ: ΚΑΛΛΙΘΕΑΣ

Christos Nestoras
CEO of ESYD

ESYD is a signatory of the European co-operation for Accreditation (EA) Multilateral Agreement for the activities covered by this certificate.

Hellenic Accreditation System

Annex F1/B17 to the Certificate No. **489**-7

SCOPE of ACCREDITATION

of the

Testing Laboratory

«TÜV AUSTRIA FOOD ALLERGENS LABS »

(Athens Branch)

Tested materials/ Products	Types of test/ Properties to be measured	Applied Methods/ Techniques to be used
Chemical Tests		
1. Drinking water groundwater	1. Determination of electric conductivity	APHA* 2510
	2. Determination of pesticides: Acetamiprid, acetochlor, alachlor, aldicarb sulfone, atrazine, azoxystrobin, benalaxyl, benfsulfuron methyl, boscalid, bromuconazole, bupirimate, buprofezin, caduzafos, carbaryl, carbofuran 3 hydroxy, chlorfenvinfos, chloridazone, chlorobromuron, chlorsulfuron, chlortoluron, propargyl, clothianidin, cyanazine, cymoxanil, cyproconazole, demeton S methyl, dicrotophos, dimethomorph, dimoxystrobin, diphenamide, diuron, epoxiconazole, etaconazole, ethoprophos, fenamiphos sulfone, fenthion sulfone, florasulam, flufenacet, flumioxazine, fluometuron, fluopicolide, flurprimidol, flusilazole, flutolanil, flutriafol, formetanate HCl, fosthiazate, furathiocarb, haloxyfop methyl ester, heptenofos, hexythiazox, imazamethabenz methyl, imidacloprid, iprovalicarb, isazophos, isoproturon, kresoxim methyl, linuron, malaoxon, mepanipyrim, metalaxyl M, metamitron, metazachlor, metconazole, methabenzthiazuron, metobromuron, metolachlor, metoxuron, metribuzin, metsulfuron methyl, mevinphos-cis, mevinphos-trans, monocrotophos, monolinuron, myclobutanil, napropamid, nuarimol, oxadixyl, oxamyl, paclobutrazole, paraoxon methyl, penconazole, phosphamidon, picoxystrobin, pinoxaden, pirimicarb, pirimicarb desmethyl, propachlor, propazine, propiconazole, propoxur, pymetrozine, pyrifenox, simazine, tebuconazole, tebufenpyrad, terbuthylazine, tetrachlorvinphos, tetraconazole, thiacloprid, thiamethoxam, thiobencarb, thiodicarb, triadimefon, triadimenol, triasulfuron, triazophos, tricyclazole, trifloxystrobin, uniconazole.	Inhouse method (O 1052A) με LC-MS/MS

Tested materials/ Products	Types of test/ Properties to be measured	Applied Methods/ Techniques to be used
2. Cereals, legumes & products	1. Determination of pesticide residues of the categories: Organophosphates, amides, triazoles,pyrethrins, triazines, strobilourines, carbamates,benzoylureas, phenylureas, benzimidazoles,neonicotinoids, organochlorines, pyrethroids, miscellaneous	Method code O 1008A. In house multiresidue LC-MS/MS and GC-MS/MS method based on QuEChERS method (European Union Reference Laboratory)
	2. Determination of phosphine residues	Inhouse GC-NPD (O 1051A) method, based on EU Reference Laboratory method
3. Cereals & products	1. Determination of mycotoxins: Aflatoxin B1, Aflatoxin B2, Aflatoxin G1, AflatoxinG2, Ochratoxin, Zearalenone, Deoxynivalenon	Inhouse LC-MS/MS method (O 1022A) based on method of the EU Reference Laboratory
	2. Determination of non-dioxin like PCBs (PCBs 28,52, 101, 138, 153, 180)	Inhouse GC-MS/MS method (O 1062A)
	3. Determination of Pyrrolizidine Alcaloids: Echimidine, Echimidine-N-Oxide, Europine, Europine-N-Oxide, Heliotrine, Heliotrine-N-Oxide, Indicine and Lycopsamine, Indicine-N-Oxide, Lasiocarpine, Lasiocarpine-N-Oxide, Lycopsamine-N-Oxide, Monocrotaline, Retrorsine, Retrorsine-N-Oxide, Senecionine, Senecionine-N-Oxide, Seneciphylline, Seneciphylline-N-Oxide, Senecivernine-N-Oxide, Senkirkine	Inhouse LC-MS/MS method (O 1078A) based on QuPPE method of the EU Reference Laboratories
4. Nuts	1. Determination of Aflatoxins: Aflatoxin B1, Aflatoxin B2, Aflatoxin G1, Aflatoxin G2	In house method (O 1022A) με LC-MS/MS based on method of EU Reference Laboratory
5. Products of cereals, coffee, potato chips	Determination of acrylamide	Method code O 1008A. In house multiresidue LC-MS/MS method based on QuEChERS method (European Union Reference Laboratory)
6. Plant products with high fat content: ▪ plant oils and fats ▪ oily seeds ▪ nuts ▪ miscellaneous (olive,avocado, etc.)	1. Determination of pesticide residues of the categories: Organophosphates, amides, triazoles, pyrethrins, triazines, strobilourines, carbamates, benzoylureas, phenylureas, neonicotinoids, pyrethroids, organochlorines, miscellaneous	Method code O 1007A In house multiresidue LC-MS/MS and GC-MS/MS method based on QuEChERS method (European Union Reference Laboratory)
	2. Determination of pesticide residues of: Aclonifen, Acrinathrin, Bromopropylate, Chlorthal dimethyl, Cyfluthrin, Lambda Cyhalothrin, Cypermethrin, Deltamethrin, α- Endosulfan, β-	In house GC method, code O1007A), based on QuEChERS (European Union Reference Laboratory)

Tested materials/ Products	Types of test/ Properties to be measured	Applied Methods/ Techniques to be used
	Endosulfan, Endosulfan sulfate, Fenvalerate, α-HCH, Tau-Fluvalinate, Heptachlor, Lindane, Oxyfluorfen, Procymidone, Propyzamide.	
7. Fruits and Vegetables with high water content and their juices: stone fruits, pome fruits, fruiting vegetables, citrus fruits, grapes, root-tuber vegetables, stem vegetables, small fruits, tropic fruits, pulses vegetables, brassica vegetables, bulb vegetables, leaf vegetables and fresh herbs, miscellaneous, as referred in Regulations EC 396/2005 and EC178/2006.	Determination of pesticide residues of: Organophosphates, carbamates, triazines, triazoles, benzoylureas, phenylureas, neonicotinoids, amides, benzimidazoles, pyrethrins, strobilourines,organochlorines, pyrethroids, miscellaneous	LC-MS/MS and GC-MS/MS method based on QuEChERS method (European Union Reference Laboratory)
8. Plant Oils	1. Determination of acidity	Method code O 1014A. In house method based on American Oil Chemists Society, Official method Ca 5a-40, 1997
	2. Determnation of peroxide value	In house method (O 1023A), based on American Oil Chemists Society, Official method AOCS Press, Method Cd 8-53.
	3. Determination of polyphenols	International Olive Council, COI/T.20/Doc No 29, November 2009
	4. Determination of alpha and gamma tocopherol (vitamin E)	In house HPLC-FLD method (O1034)
	5. Determination of waxes and fatty acid alkyl esters (FAEE & FAME)	International Olive Oil Council. COI/T.20/Doc. no.28, as modified, με GC-FID.
	6. Determination of methyl esters of fatty acids	Commission Regulation (EEC) No 2568/91, annexes XA-XB, as in force, with GC-FID.
9. Honey	1. Determination of hydroxymethylfurfural (HMF)	HPLC method, Harmonised Methods of the International Honey Commission
	2. Determination of diastase activity with Phadebas	Photometric method, Harmonised Methods of the International Honey Commission
	3. Determination of moisture	Harmonised Methods of the International HoneyCommission

Tested materials/ Products	Types of test/ Properties to be measured	Applied Methods/ Techniques to be used
	4. Determination of pH and free acidity	Harmonised Methods of the International Honey Commission
10. Plant fats and oils	Spectrophotometric UV analysis (k_{270}, k_{232}, Δk)	Regulation (EEC) No 2568/91, Annex IX, as in force
11. Plant oils	Determination of cannabidiol (CBD)	In house method HPLC-UV (O1100A)
12. Plant & Animal Fats and oils	1. Determination of benzo[a]pyrene, benzo[a]anthracene, benzo[b]fluoranthene, chrysene and their sum	Inhouse HPLC-FLD method (O1055A), based on the QuEChERSmethod
	2. Determination of phthalate esters: dibutylphthalate (DBP), benzyl butyl phthalate (BBP), diethyl-hexyl phthalate (DEHP), diethyl phthalate(DEP), dihexyl phthalate(DHP) and di iso nonylphthalate (DiNP)	In house LC-MS/MS method (O1013A)
13. Alcoholic beverages	Determinaton of the phthalic esters: dibutyl phthalate (DBP), benzyl butyl phthalate (BBP) and diethyl-hexyl phthalate (DEHP)	Method code O1013A. In house LC-MS/MS method
14. Food	Determination of benzoic acid and sorbic acid	Inhouse method (O1022A), based on ISO 22855:2008
15. Fish	1. Determination of benzo[a]pyrene, benzo[a]anthracene, benzo[b]fluoranthene, chrysene and their sum	Inhouse HPLC-FLD method (O1055A), based on the QuEChERS method
	2. Determination of non-dioxin like PCBs (PCBs 28, 52, 101, 138, 153, 180)	Inhouse GC-MS/MS method (O 1062A)
16. Meat and meat products	Determination of benzo[a]pyrene, benzo[a]anthracene, benzo[b]fluoranthene, chrysene and their sum	Inhouse HPLC-FLD method (O1055A) based on QuEChERS
17. Milk and dairy products	Determination of Alfatoxin M1	ELISA Kit "Veratox for Alfatoxin M1" (NEOGEN) according to EN ISO 14675:2003
18. Herbs and spices	Determination of Pyrrolizidine Alcaloids: Echimidine, Echimidine-N-Oxide, Europine, Europine-N-Oxide, Heliotrine, Heliotrine-N-Oxide, Indicine and Lycopsamine, Indicine-N-Oxide, Lasiocarpine, Lasiocarpine-N-Oxide, Lycopsamine-N-Oxide, Monocrotaline, Retrorsine, Retrorsine-N-Oxide, Senecionine, Senecionine-N-Oxide, Seneciphylline, Seneciphylline-N-Oxide, Senecivernine-N-Oxide, Senkirkine, Erucifolin, Erucifolin-N-oxide Monocrotalin-N-oxide, Jacobin, Intermedin, Riddellin, Jacobin-N-oxide, Riddellin-N-oxide, Intermedin-N-oxide, Senecivernin	Inhouse LC-MS/MS method (O 1078A) based on QuPPE method of the EU Reference Laboratories
Immunochemical Tests		
1. Packaged foods	1. Determination of peanut	In house method (O 1026A) based on ELISA kit "Peanut Allergen Test" (NEOGEN) and according to EN 15633-1:2019
	2. Determination of almond	In house method (O 1029A) based on ELISA kit "Almond Allergen Test" (NEOGEN) and

Tested materials/ Products	Types of test/ Properties to be measured	Applied Methods/ Techniques to be used
		according to EN 15633-1:2019
	3. Determination of hazelnut	In house method (O 1027A) based on ELISA kit "Hazelnut Allergen Test" (NEOGEN) and according to EN 15633-1:2019
	4. Determination of egg	In house method (O 1036A) based on ELISA kit "Veratox Egg Allergen" (NEOGEN) and according to EN 15633-1:2019.
	5. Determination of walnut	In house method (O 1063A) based on ELISA kit "Biokits, Walnut Assay Kit" (NEOGEN) and according to EN 15633-1:2019.
	6. Determination of gluten/gliadin	In house method (O 1030A) based on ELISA kit "Gliadin R5 TEST" (NEOGEN) and according to EN 15633-1:2019
2. Packaged foods and swabs	Determination of milk	In house method (O 1028A) based on ELISA kit "Total Milk" (NEOGEN) and according to EN 15633-1:2019
3. Cereals, their products, and swabs	Determination of soy	In house method (O 1021A) based on ELISA kit "Veratox for Soy" (NEOGEN) and according to EN 15633-1:2019

* American Public Health Association, American Water Works Association, Water Environment Federation, "Standard Methods for the Examination of Water and Wastewater", 23rd Edition, 2017

Site of assessment: **Permanent premises of laboratory – Mesogeion Ave. 429, 15343, Agia Paraskevi, Attiki, Greece**

Approved signatories: **G. Siragakis, G. Miliadis, K. Alexiou**

This Scope of Accreditation replaces the previous one, dated 17.05.2022.
The Accreditation Certificate No. **489**-7, according to ELOT EN ISO/IEC 17025:2017, is valid until 19.01.2026.

Athens, 22nd of December 2022

Christos Nestoras
CEO of ESYD

Hellenic Accreditation System

Annex F1/C7 to the Certificate No. **489**-7

SCOPE of ACCREDITATION

of the
Testing Laboratory

"TÜV AUSTRIA FOOD ALLERGENS LABS"

(Thessaloniki Branch)

Tested materials / Products	Types of test / Properties to be measured	Applied Methods / Techniques to be used
Chemical Tests		
1. Drinking water, groundwater	Determination of pH	APHA* 4500-H
Microbiological Tests		
1. Food and animal feed	Detection of presumptive *Salmonella enterica* serovars of somatic groups A-E	Reveal 2.0 *Salmonella* Test System (Neogen Corporation) Validation Certificate AOAC 960801
2. Food	Detection of presumptive *Listeria spp*. (except L. grayi)	Reveal 2.0 listeria Test system (Neogen Corporation) Validation Certificate AOAC 041101
3. Raw ground beef and Raw beef trim	Detection of presumptive *E. coli* O157:H7	Reveal 2.0 E. coli O157:H7 Test system (Neogen Corporation) Validation Certificate AOAC 011103
Biological Tests		
1. Soya: seeds, foodstuffs (flour), feedstuffs (flour)	Screening method for genetically modified organisms (GMOs), by the detection of CaMV 35S promoter and nopaline synthase terminator (NOS)	In house method (O1009Θ) based on: Biokits DNA Extraction Kit – GMO and Allergens & Generon Modifinder using Real-time PCR

Tested materials/ Products	Types of test/ Properties to be measured	Applied Methods/ Techniques to be used
2. Corn: seeds, foodstuffs (seeds, flour), feedstuffs (seeds, flour)	Screening method for genetically modified organisms (GMOs), by the detection of CaMV 35S promoter and nopaline synthase terminator (NOS).	In house method (O1009Θ) based on: Biokits DNA Extraction Kit – GMO and Allergens & Generon Modifinder using Real-time PCR
3. Packaged foods	Detection of celery	In house method (O1006Θ) based on: GENERON, SPECIAL finder MC Celery food allergen Real-Time PCR detection kit
4. Packaged foods	Detection of sesame	In house method (O1007Θ) based on: r-biopharm: SureFood-Allergen kit for Sesame, Art. No.: S3608 using Real-time PCR
Immunochemical Tests		
Spices, wheat flour	Determination of mustard	In house method (O 1008Θ) based on ELISA kit "Mustard Allergen Test" (NEOGE and according to EN 15633-1:2019

* American Public Health Association, American Water Works Association, Water Environment Federation, "Standard Methods for the Examination of Water and Wastewater", 23rd Edition, 2017

Site of assessment: Permanent premises of laboratory – **Thoma Gavriilidi 3, 55132, Kalamaria, Greece**
Approved signatories: **G. Siragakis, G. Miliadis, A. Mastralexi**

This Scope of Accreditation replaces the previous one, dated 17.05.2022.
The Accreditation Certificate No. **489**-7, according to ELOT EN ISO/IEC 17025:2017, is valid until 19.01.2026.

Athens, 22nd of December 2022

Christos Nestoras
CEO of ESYD

Hellenic Accreditation System

Annex F1/A15 to the Certificate No. **489**-7

SCOPE of ACCREDITATION

of the
Testing Laboratory

"TÜV AUSTRIA FOOD ALLERGENS LABS"

(Rethymno Branch)

Materials/Products tested	Types of test/Properties measured	Applied methods/Techniques used
Chemical Tests		
1. Plant products with high fat content: ▪ plant oils and fats ▪ oily seeds ▪ nuts ▪ miscellaneous (olive,avocado, etc.)	Determination of pesticide residues of: Aclonifen, Acrinathrin, Bromopropylate, Chlorthal dimethyl, Cyfluthrin, Lambda Cyhalothrin, Cypermethrin, Deltamethrin, α-Endosulfan, β-Endosulfan, Endosulfan sulfate, Fenvalerate, α-HCH, Tau-Fluvalinate, Heptachlor, Lindane, Oxyfluorfen, Procymidone, Propyzamide.	In house GC-ECD method, code O1007A), based on QuEChERS (European Union Reference Laboratory)
2. Cereals and products, fruits and vegetables	Determination of moisture	In house method (O 1059A) based on the Code of Food and Drinks
3. Drinking water and groundwater	Determination of electric conductivity	APHA* 2510

* American Public Health Association, American Water Works Association, Water Environment Federation, "Standard Methods for the Examination of Water and Wastewater", 23rd Edition, 2017

Site of assessment: **Permanent laboratory premises, Agia Triada, BIOPA, 74100, Rethymno, Greece**
Approved signatories: **G. Siragakis, G. Miliadis, E. Politis**

This Scope of Accreditation replaces the previous one, dated 17.05.2022.
The Accreditation Certificate No. **489**-7, according to ELOT EN ISO/IEC 17025:2017, is valid until 19.01.2026.

Athens, 22nd of December 2022

Christos Nestoras
CEO of ESYD

CYPRUS ORGANIZATION FOR THE PROMOTION OF QUALITY
CYPRUS ACCREDITATION BODY

ACCREDITATION CERTIFICATE no. *L105*

The Board of Governors
of the Cyprus Organization for the Promotion of Quality
acting as the authorized Cyprus Accreditation Body
according to the Article 7 of the Law 156(I)/2002

grants accreditation to

F. A. FOOD ALLERGENS LAB LTD

in Larnaca

which has been assessed according to the Accreditation Criteria for Testing Laboratories as defined in the standard

CYS EN ISO/IEC 17025:2017

as **competent to perform the Methods** defined in the Scope of Accreditation referred to in the **Annex** of this certificate; the said Annex represents inextricable part of the certificate. The **Accreditation Scope** can only be modified after a decision of the Cyprus Accreditation Body.

The current Accreditation Certificate, no. *L105* **is issued on the 29th April 2021 and is valid until the 14th October 2022.**

Accreditation was granted for the first time on the 15th October 2018.

Antonis Ioannou
Director

Date: **29 April 2021**

This laboratory is accredited in accordance with the recognised International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management System (ISO-ILAC-IAF Communiqué, 04/2017).

CYPRUS ORGANIZATION FOR THE PROMOTION OF QUALITY
CYPRUS ACCREDITATION BODY

ACCREDITATION CERTIFICATE no. *L105-2*

The Board of Governors
of the Cyprus Organization for the Promotion of Quality
acting as the authorized Cyprus Accreditation Body
according to the Article 7 of the Law 156(I)/2002

grants accreditation to

TUV AUSTRIA FOOD ALLERGENS LAB LTD

in Larnaca

which has been assessed according to the Accreditation Criteria for Testing Laboratories as defined in the standard

CYS EN ISO/IEC 17025:2017

as **competent to perform the Methods** defined in the Scope of Accreditation referred to in the **Annex** of this certificate; the said Annex represents inextricable part of the certificate. The **Accreditation Scope** can only be modified after a decision of the Cyprus Accreditation Body.

Cyprus Accreditation Body is a signatory to the European co-operation for Accreditation (EA) Multilateral Agreement (MLA) in the above-mentioned field.

The current Accreditation Certificate, no. *L105-2* **is issued on 11th May 2023 and is valid from the 15th October 2022 until the 14th October 2026.**

Accreditation was granted for the first time on the 15th October 2018.

Antonis Ioannou
Director

Date: **11 May 2023**

This laboratory is accredited in accordance with the recognised International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management System (ISO-ILAC-IAF Communiqué, 04/2017).

Annex

of the Accreditation Certificate number L105-2

Scope of Accreditation

of the

TUV AUSTRIA FOOD ALLERGENS LAB LTD

Valid as from the 15th October 2022 until the 14th October 2026
***Valid as from the 11th May 2023 until the 14th October 2026**

Tested materials/ products	**Types of test/ Properties to be measured**	**Applied Methods/ Techniques to be used**
Honey	Determination of hydroxymethylfurfural (HMF)	In House HPLC method, based on Harmonised Methods of the International Honey Commission Method Code: O003
	Determination of diastase activity	In House Photometric method, based on Harmonised Methods of the International Honey Commission Method Code: O006
	Determination of moisture	Harmonised Methods of the International Honey Commission Method Code: O 004
Plant oils	Spectrophotometric UV analysis (k_{270}, k_{232}, Δk)	In House Method based on Regulation (EEC) No 2568/91, Annex IX, as in force Method Code: O001
	Determination of acidity	In house method based on American Oil Chemists Society, Official method Ca 5a-40, 1997 Method Code: O002
Bakery and pastry products	Determination of coumarin	Inhouse method HPLC-UV Method Code: O008
Foodstuffs	Determination of the nitrogen content (Kjeldahl method) and calculation of the crude protein content	In House Method based on ISO 20483:2013 Method code: O 014

Tested materials/ products	Types of test/ Properties to be measured	Applied Methods/ Techniques to be used
	Determination of ash content	Food and Beverage Code §Γ.2 Method code: O 015
	Determination of moisture content	Food and Beverage Code §Γ.1 Method code: O 012
	Determination of fat by Soxhlet method	Food and Beverage Code §Γ.4 Method code: O 0113
	Determination of total dietary fiber	In House Method (Megazyme Method 1, based on AACC 32-05-01) Method code: O 016
	Determination of metals (Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Zn)	In House Method ICP-OES based on CYS EN 16943:2017 Method Code: O 011
Water	Determination of metals (As, Ba, B, Cd, Cr, Co, Cu, Ni, Mo, Pb)	In House Method ICP-OES based on CYS EN ISO 11885:2009 Method Code: O 010
Food and animal feed	Determination of Amino Acids (Ala, Asp, Glu, Gly, HyPro, Ile, Leu, Phe, Pro, Ser, Tau, Thr, Tyr, Val)	In house method UPLC-UV based on UPLC Amino Acid Analysis Solution System Guide 71500129702/Revision B) Method Code: O 017
Seeds and products	Determination of ethylene oxide (sum of ethylene oxide and 2-chloro-ethanol expressed as ethylene oxide)	German Standard L53.00-1199911 GC- ECD Method Code: O 018
Food (fruits and vegetables with high water content)	Determination of chlorates/perchlorates	Regulation (EU) 2020/749 concerning maximum residue limits for chlorate in or on certain products/LC-MS/MS Method code: O 019
Honey	Determination of sugars (Fructose, Glucose, Sucrose and Maltose)	The method is based on the protocol of the manufacturer of the Kromasil chromatography column, as well as on the Harmonized methods of the international honey commission HPLC-RID Method code: O 020

Authorised person to sign test reports is Mr George Seiragakis and Mrs Christalla Gavriel.

General Remarks

This Annex refers only for tests carried out in the premises of the Laboratory, at the following address: **38, Kalopsidas Str., 7060 Livadia, Larnaca, Cyprus**.

Antonis Ioannou
Director

Date: **11 May 2023**