Hellenic Accreditation System

ΕΘΝΙΚΟ ΣΥΣΤΗΜΑ ΔΙΑΠΙΣΤΕΥΣΗΣ

Annex F1/B23 to Certificate No. **489**-10

SCOPE of ACCREDITATION

of the

Testing Laboratory

«TÜV AUSTRIA 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	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, clothianidin, cyanazine, cymoxanil, cyproconazole, demeton S methyl, dicrotophos, dimethomorph, dimoxystrobin, diphenamide, diuron, epoxiconazole, etaconazole, ethoprophos, fenamiphos sulfone, fenthion sulfone, florasulam, flufenacet, fluometuron, fluopicolide, 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, monolinuron, myclobutanil, napropamid, nuarimol, oxadixyl, oxamyl, paclobutrazole, paraoxon methyl, penconazole, phosphamidon, picoxystrobin, 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.	In house method (O 1052A) με LC-MS/MS
2. Cereals, legumes &	1. Determination of pesticide residues of the categories: Organophosphates, amides, triazoles,pyrethrins,	Method code O 1008A. In house multiresidue

Tested materials / Products	Types of test / Properties to be measured	Applied Methods / Techniques to be used
products	triazines, strobilourines, carbamates,benzoylureas, phenylureas, benzimidazoles,neonicotinoids, organochlorines, pyrethroids, miscellaneous	LC-MS/MS and GC-MS/MS method based on QuEChERS method (European Union Reference Laboratory)
	2. Determination of phosphine residues	In house 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	In house 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)	In house 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	In house 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-Endosulfan, Endosulfan sulfate, Fenvalerate, α-HCH, Tau-Fluvalinate, Heptachlor, Lindane, Oxyfluorfen, Procymidone, Propyzamide.	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
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 biophenols	International Olive Council, COI/T.20/Doc No 29, June 2022
	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 (EU) 2022/2105, annex I, entry 6, 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
	5. Determination of conductivity	Harmonised Methods of the International Honey Commission
10. Plant fats and oils	Spectrophotometric UV analysis (k_{270}, k_{232}, Δk)	COI/T.20/Doc. No 19/Rev. 5 2019
11. Plant & Animal Fats and oils	1. Determination of benzo[a]pyrene, benzo[a]anthracene, benzo[b]fluoranthene, chrysene and their sum	In house 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)
12. 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
13. Food	Determination of benzoic acid and sorbic acid	In house method (O1022A), based on ISO 22855:2008
14. Fish	1. Determination of benzo[a]pyrene, benzo[a]anthracene, benzo[b]fluoranthene, chrysene and their sum	In house HPLC-FLD method (O1055A), based on the QuEChERS method
	2. Determination of non-dioxin like PCBs (PCBs 28, 52, 101, 138, 153, 180)	In house GC-MS/MS method (O 1062A)
15. Meat and meat products	Determination of benzo[a]pyrene, benzo[a]anthracene, benzo[b]fluoranthene, chrysene and their sum	In house HPLC-FLD method (O1055A) based on QuEChERS
16. Milk and dairy products	Determination of Alfatoxin M1	ELISA Kit “Veratox for Alfatoxin M1” (NEOGEN) according to EN ISO 14675:2003
17. Herbs, spices, honey and pollen	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	In house LC-MS/MS method (O 1078A) based on QuPPE method of the EU Reference Laboratories

Tested materials / Products	Types of test / Properties to be measured	Applied Methods / Techniques to be used
Immunochemical Tests		
1. Food	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 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 1121A) based on ELISA "SENSISpec, Walnut Kit", (Gold Standard Diagnostics) and according to EN 15633-1:2019.
	6. Determination of gluten/gliadin	In house method based on "*Veratox for Gliadin R5*" (NEOGEN) kit and according to EN 15633-1:2019
2. Food 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
Organoleptic Tests		
Bakery products, fruit juices, dairy products	Discriminative Sensory Test	ISO 11136:2017
Sampling		
Drinking water, groundwater	1. Sampling for the determination of physicochemical properties (pH)	ISO 5667-5:2006

* American Public Health Association, American Water Works Association, Water Environment Federation, "Standard Methods for the Examination of Water and Wastewater", 24th Edition, 2022

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

Approved signatories: **D. Bolis, P. Bargotakis, E. Politis, A. Spiridaki**

This Scope of Accreditation replaces the previous one, dated 02.07.2026.
The Accreditation Certificate No. **489**-10, according to ELOT EN ISO/IEC 17025:2017, has been renewed until 19.01.2031.

Athens, 31st of August
2026

Konstantinou Evangelos Apostolos
CEO of ESYD