

Hellenic Accreditation System



Annex F1B/7 to the Certificate No. 489-4

SCOPE of ACCREDITATION

of the
Testing Laboratory in N. Ionia, Attiki
of
“Food Allergens Laboratory”

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 pH	APHA* 4500-H, 22 nd Edition 2012
	2. Determination of electric conductivity	APHA* 2510, 22 nd Edition 2012
2. Cereals & products	1. Determination of pesticide residues of the categories: Organophosphates, amides, triazoles, pyrethrins, triazines, strobilourines, carbamates, benzoylureas, phenylureas, benzimidazoles, neonicotinoids, miscellaneous	Method code O 1008A. In house multiresidue LC-MS/MS method based on QuEChERS method (European Union Reference Laboratory)
	2. Determination of mycotoxins: Aflatoxin B1, Aflatoxin B2, Aflatoxin G1, Aflatoxin G2, Ochratoxin, Zearalenone, Deoxynivalenon	Inhouse LC-MS/MS method (O 1022A) based on method of the EU Reference Laboratory
3. Products of cereals, coffee, potato chips	1. Determination of acrylamide	Method code O 1008A. In house multiresidue LC-MS/MS method based on QuEChERS method (European Union Reference Laboratory)
4. Plant products with high fat content: <ul style="list-style-type: none">plant oils and fatsoily seedsmiscellaneous (olive, avocado, etc.)	1. Determination of pesticide residues of the categories: Organophosphates, amides, triazoles, pyrethrins, triazines, strobilourines, carbamates, benzoylureas, phenylureas, neonicotinoids, miscellaneous	Method code O 1007A In house multiresidue LC-MS/MS method based on QuEChERS method (European Union Reference Laboratory)

Tested materials/ products	Types of test/ Properties to be measured	Applied Methods/ Techniques to be used
	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)
5. 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 EC 178/2006.	1. Determination of pesticide residues of the categories: Organophosphates, carbamates, triazines, triazoles, benzoylureas, phenylureas, neonicotinoids, amides, benzimidazoles, pyrethrins, strobilourines, miscellaneous	Method code O 1008A. In house multiresidue LC-MS/MS method based on QuEChERS method (European Union Reference Laboratory)
6. 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 Honey Commission
	4. Determination of pH and free acidity	Harmonised Methods of the International Honey Commission
7. 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. Determination of peroxide value	In house method (O 1023A), based on American Oil Chemists Society, Official method AOCS Press, Method Cd 8-53.
8. Plant fats and oils	1. Spectrophotometric UV analysis (k_{270} , k_{232} , Δk)	Regulation (EEC) No 2568/91, Annex IX, as in force
	2. Determination of alpha tocopherol (vitamin E)	In house HPLC-FLD method (O1034)
9. Plant & Animal Fats and oils	1. Determination of benzo[a]pyrene, benzo[a]anthracene, benzo[b]fluoranthene, chrysene and their sum	Modified ELOT EN ISO 15302:2010 HPLC-FLD method (O1025A)

Tested materials/ products	Types of test/ Properties to be measured	Applied Methods/ Techniques to be used
	2. Determination of phthalate esters: dibutyl phthalate (DBP), benzyl butyl phthalate (BBP), diethyl-hexyl phthalate (DEHP), diethyl phthalate (DEP), dihexyl phthalate (DHP) και di iso nonyl phthalate (DiNP)	In house LC-MS/MS method (O1013A)
10. Alcoholic beverages	1. Determination 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
10. Food	1. Determination of benzoic acid and sorbic acid	Inhouse method (O 1022A) based on ISO 22855:2008
Microbiological tests		
1. Food and animal feed	1. Detection of presumptive Salmonella enterica serovars of somatic groups A-E	Reveal 2.0 Salmonella Test System (Neogen Corporation) Validation Certificate AFNOR NEO35/01-10/11
2. Food	1. 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	1. Detection of presumptive E. coli O157:H7	Reveal 2.0 E. coli O157:H7 Test system (Neogen Corporation) Validation Certificate AOAC 011103
Immunochemical Testing		
1. Packed foods	1. Determination of food allergen peanut protein	ELOT EN 15633-1:2009, ELISA KIT, "PEANUT ALLERGEN TEST", NEOGEN
	2. Determination of food allergen almond protein	ELAOT EN 15633-1:2009, ELISA KIT, "ALMOND ALLERGEN TEST", NEOGEN
	3. Determination of food allergen hazelnut protein	ELOT EN 15633-1:2009, ELISA KIT, "HAZELNUT ALLERGEN TEST", NEOGEN
	4. Determination of total allergen milk	ELOT EN 15633-1:2009, ELISA KIT, "TOTAL MILK", NEOGEN
	5. Determination of total allergen gluten/gliadin	ELOT EN 15633-1:2009, ELISA KIT, "GLIADIN R5 TEST", NEOGEN
	6. Determination of egg allergen protein	EAOT EN 15633-1:2009, ELISA KIT, "VERATOX EGG ALLERGEN", NEOGEN

Tested materials/ products	Types of test/ Properties to be measured	Applied Methods/ Techniques to be used
1. Cereals and their products	1. Determination of total allergen soy	EAOT EN 15633-1:2009, ELISA KIT, "VERATOX FOR SOY", NEOGEN
Sampling		
1. Drinking water from piped distribution systems	1. Sampling for the determination of physicochemical properties (pH, electric conductivity)	ISO 5767-5:2006
2. Cereals	1. Sampling for the determination of pesticide residues	Directive 2002/63/EK SANCO, document 12571/2013

* American Public Health Association, American Water Works Association, Water Environment Federation, "Standard Methods for the Examination of Water and Wastewater", 22nd Edition, 2012

Site of assessment: **Laboratory Permanent premises, Varnali 40 (4st floor), 142 31, N. Ionia , Attiki, Greece.**
Approved signatory: **G. Siragakis, G. Miliadis, A. Lampidonis**

This Scope of Accreditation replaces the previous one dated 28.04.2016.

The Accreditation Certificate No. **489-3**, to ELOT EN ISO/IEC 17025:2005, is valid until 19.01.2018.

Athens, April 24th, 2017

Ioannis Sitaras
Director of the Laboratories Accreditation Division