Hellenic Accreditation System

Annex F1/VI4 to the Certificate No. **05**-5

SCOPE of ACCREDITATION
of the
Department of Toxicology, Residues and Environmental Contaminants
of the
Directorate of Athens Veterinary Center
of the
Hellenic Ministry of Rural Development and Food

Materials/ Products tested	Types of test/ Properties measured	Applied Methods/Techniques used
Chemical Tests		
1. Meat, liver and kidney	Determination of cadmium (Cd) content	MD.01-ATRC In-house method using Atomic Absorbtion Spectrometry with Graphite Furnace (ZET-AAS)
2. Fisheries and fishery products	Determination of cadmium (Cd) content	MD.02-ATRC In-house method using Atomic Absorbtion Spectrometry with Graphite Furnace (ZET-AAS)
3. Fisheries and Fishery products	Determination of mercury (Hg) content	MD.06-ATRC In-house method using Atomic Absorption Spectrometry with Flow Injection – Mercury Hydride (FI-MH-AAS)
4. Fisheries	Determination of dyes: Malachite Green, Leucomalachite Green, Crystal Violet, Leucocrystal Violet, Brilliant Green	MD.21-ATRC In house LC-MS/MS method, validated according to the requirements of the Commission implementing Regulation (EU) 2021/808

Materials/ Products tested	Types of test/ Properties measured	Applied Methods/Techniques used
5. Milk	Determination of Cd and Pb	MD.05-ATRC In house method using AAS, graphite furnace technique (ZETAAS)
6. Urine, water	Determination of β-agonists residues (17): Zilpaterol, terbutalin, salbutamol, cimaterol, cibuterol, fenoterol, ritodrin, clencyclohexerol, clenproperol, clenbuterol, ractopamin, isoxsuprin, tulobuterol, clenpenterol, mabuterol, mapenterol, brombuterol	MD.29- ATRC In house method based on the corresponding method of the European Community Reference Laboratory BVL using High Performance Liquid Chromatography – Tandem Mass Spectrometry (LC-MS/MS) (ESI-positive mode), validated according to the requirements of the Decision EU/657/2002.
7. Animal tissues	Determination of β- agonists residues (17): Zilpaterol, terbutalin, salbutamol, cimaterol, cibuterol, fenoterol, ritodrin, clencyclohexerol, clenproperol, clenbuterol, ractopamin, isoxsuprin, tulobuterol, clenpenterol, mabuterol, mapenterol, brombuterol	MD.10-ATRC In house method based on the corresponding method of the European Community Reference Laboratory BVL using High Performance Liquid Chromatography – Tandem Mass Spectrometry (LC-MS/MS) (ESI-positive mode), validated according to the requirements of the Decision EU/657/2002.
8. Animal tissues	Determination of tranquilizers (antianxiety drugs) residues (8): Acetopromazine, chloropromazine, xylazine, promazine, propionylopromazine, carazolol, azaperone, Azaperol	MD.03-ATTR In house method using High Performance Liquid Chromatography – Tandem Mass Spectrometry (LC-MS/MS), validated according to the requirements of the Decision EU/657/2002.
9. Animal urine	Detection and determination of (6) antithyroid drugs (thiouracil, methyl thiouracil, propyl thiouracil, phenyl thiouracil, tapazol, mercaptobenzimidazol)	MD.23-ATRC In house method using LC-MS/MS after derivatization with 3-iodo-benzyl-bromide.
10. Foods of animal origin and their products	Determination of lead (Pb) content	MD.08-ATRC In – house method using Atomic Absorbtion Spectrometry with electrothermal Graphite Furnace.

Materials/ Products tested	Types of test/ Properties measured	Applied Methods/Techniques used
11. Thyroid and animal tissues	Detection and determination of (6) antithyroid drugs (thiouracil, methyl thiouracil, propyl thiouracil, phenyl thiouracil, tapazol, mercaptobenzimidazol)	MD.32-ATRC In house method using LC-MS/MS after derivatization with 3-iodo-benzyl-bromide.
12. Honey	Determination of Cd and Pb	MD.09-ATRC In house Z-ETAAS method
13. Meat and blood serum	Determination of nitroimidazoles	MD.36-ATRC In house LC/MS-MS method based on Community Reference Laboratory BVL method
14. Animal Tissue, milk and honey	Determination of organophosphorus pesticide residues	MD.38-ATRC In house LC-MS/MS method according to SANCO 12495/2011 document
15. Milk	Quantitative determination of aflatoxin M1	MD.53-ARC In house validated method based on ISO 14501/IDF 171:2007 Immunoaffinity column HPLC / FLD method
16. Animal tissues	Quantitative determination of ochratoxin A	In house validated method MD.54-ATRC Immunoaffinity column HPLC / FLD method
17. Milk and Muscle	Quantitative dete rmination of Avermectins (Moxidectin, Abamectin, Emamectin, Doramectin, Ivermectin)	Code: MD.46-ATRC In house method based on the corresponding method of the European Union Reference Laboratory BVL using High Performance Liquid Chromatography with Fluorescence Detector (HPLC-FLD), validated according to the requirements of the Decision EU/657/2002.

Materials/ Products tested	Types of test/ Properties measured	Applied Methods/Techniques used
18. Kidney, Muscle and Milk	Quantitative determination of Aminoglykosides	MD.15-ATRC In house method based on the corresponding method of the European Union Reference Laboratory ANSES using LC-MS/MS Validated in accordance with the requirements of the Decision EE/657/2002
19. Eggs	Qualitative Determination of Antimicrobial Residues in Hen Eggs by Biosensors (Sulfadimethoxine, Sulfadiazine, Sulfadoxine, Sulfachloropyridazine, Sulfamethoxypiridazine, Sulfamerazine, Sulfisoxazole, Sulfathiazole, Sulfamethazine, Sulfaquinoxaline, Sulfapyridin, Sulfamethoxazole, Sulfamonomethoxine, Norfloxacin, Perfloxacin, Enrofloxacin, Ciprofloxacin, Ofloxacin, Enoxacin, Pipemidic acid, Fleroxacin, Levofloxacin, Nodfloxacin, Orbifloxacin, Danofloxacin, Marbofloxacin, Oxolinic acid, Difloxacin, Pezurfloxacin, Sarafloxacin, Ceftiofur, Desfulolceftiofur, Streptomycin, Dihydrostreptomycin, Tylosin A, Tilmicosin, Tetracycline, epi-TC, Roltetracycline, OTC, epi-OTC, CTC, epi-CTC, DC, Demeclocycline).	MD.58-ATRC In house method validated according to the requirements of the Commission implementing Regulation (EU) 2021/808

Materials/ Products tested	Types of test/ Properties measured	Applied Methods/Techniques used
20. Fish, eggs, bovine tissue, bovine milk, poultry tissue	Method for the determination of antibiotics in food of animal origin (Tulathromycin A, Tilmicosin, Tylosin, Spiramycin, Valnemulin, Erythromycin, Lincomycin, Tiamulin, Gamithromycin, Pirlimycin, Josamycin, Tylvalosin, Tildipirosin Neospiramycin I, Ciprofloxacin, Danofloxacin, Difloxacin, Enrofloxacin, Florfenicol, Florfenicol amine, Flumequine, Marbofloxacin, Nalidixic acid, Norfloxacin, Oxolinic acid, Sarafloxacin, Thiamphenicol, Ceftiofur, Cefacetrile, Cefazolin, Cephapirin, Cephoperazone, Cefquinome, DCCD, Cephalonium, DAC, Cephalexin, Cloxacillin, Penicillin V, Oxacillin, Nafcillin, Dicloxacillin, Amoxicillin, Ampicillin, Penicillin G, Sulfamethazine, Sulfisoxazole, Sulfamethizole, Sulfamonomethoxine, Sulfamethoxazole, Sulfachlorpyridazine, Sulfaquanidine, Sulfaquinoxaline, Sulfadmethoxine, Sulfameter, Sulfathiazole, Sulfadimethoxine, Sulfamethoxypyridazine, Sulfadiazine, Sulfaclozine, Sulfamerazine, Chlortetracycline Oxytetracycline, 4-epi-oxytetracycline, 4-epi-tetracycline, Tetracycline, Doxycycline, 4-epi-Chlortetracycline)	MD.62 – ATRC The method was based on a similar method of the European reference laboratory and was developed in-house. It has been validated according to the requirements of Commission implementing Regulation (EU) 2021/808.
21.Food of animal origin (milk, liver, meat)	Determination of total mercury (Hg) content	MD.07- ATRC In-house method using Atomic Absorption Spectrometry with Flow Injection – Mercury Hydride (FI-MH-AAS)

Materials/ Products tested	Types of test/ Properties measured	Applied Methods/Techniques used
Microbiological Tests		
1. Animal tissues and milk	Screening Test for Antimicrobial Residues (S.T.A.R. Protocol) (group of quinolones, cephalosporins, penicillines, macrolides, tetracyclines, aminoglycosides and sulfonamides), using sensitive bacterial strains in petri dishes.	MD.24-ATTR In house method based on LMV/RMV/BIO/P TC/15.AN Version 06/17-10-2006 Guidance of European Reference Laboratory ANSES Fougeres and validated in accordance with EURLs Guidelines for Screening of 20th January 2010.

Site of assessment: **Permanent laboratory premises, 25 Neapoleos str., Agia Paraskevi Attiki.**

Approved signatories: **D. Milionis, S. Samartzi, D. Skafidas, E. Katsarou, M. Pantelia, V. Fotos, E.Andreou, P. Michalopoulou, P. Zygoura, K. Dimitrakopoulou.**

This scope of Accreditation replaces the previous one dated 18.12.2023.
The Accreditation Certificate No. **05-5**, according to ΕΛΟΤ EN ISO/IEC 17025:2017, is extended until 05.09.2025, according ESYD decision.

Athens, 03.03.2025

Evangelos Apostolos Konstantinou

CEO of ESYD