Hellenic Accreditation System

Annex F1/17 to the Certificate No. **321**-6

SCOPE of ACCREDITATION

of the

Laboratory of Mass Spectrometry and Dioxin Analysis

of the

National Center for Scientific Research "Demokritos"

Tested materials / products	Types of test / Properties to be measured	Applied Standards / Techniques to be used
Chemical tests		
1. Meat and meat products 2. Liver and derived products thereof 3. Animal fats 4. Fishery products, bivalve molluscs and derived products thereof 5. Raw milk and dairy products 6. Eggs and egg products 7. Vegetable oils and fats 8. Foods for infants and young children 9. Animal feed 10. Mother milk and blood (plasma, serum)	1. Determination of polychlorodibenzo-dioxins (PCDDs) and polychlorodibenzofuranes (PCDFs)	In house method (SOP 520.01, 520.02, 520.03, 520.06) using GC-High Resolution MS, validated according to the requirements of the Regulation 644/2017/EU (food) and the Regulation 771/2017/EU (animal feed).
	2. Determination of polychlorobiphenyls (PCBs)	In house method (SOP 520.01, 520.02, 520.03, 520.04, 520.06) using GC-High Resolution MS, validated according to the requirements of the Regulation 644/2017/EU (food) and the Regulation 771/2017/EU (animal feed).
1. Air (vapor and particulate phase)	1. Determination of polychlorodibenzo-dioxins (PCDDs) and polychlorodibenzofuranes (PCDFs) in air samples	In house method (SOP 520.03, 520.06, 520.08) using GC-High Resolution MS, validated according to the requirements of the EPA T09A (ambient air), excluding sampling and EN1948-2,3 and EPA 23 (stationary emissions), excluding sampling.
	2. Determination of polychlorobiphenyls (PCBs) in air samples	In house method (SOP 520.03, 520.04, 520.06, 520.08) using GC-High Resolution MS.
1. Meat and edible offal	Determination of	In house method (SOP 520.12) using

2. Fishery products and bivalve molluscs 3. Eggs 4. Milk 5. Blood (blood plasma and blood serum)	-perfluorooctanesulfonic acid (PFOS), -perfluorooctanoic acid (PFOA), -perfluorononanoic acid (PFNA) and -perfluorohexane sulfonic acid (PFHxS)	LC-MS/MS validated according to the requirements of the Regulation (EU) 2022/1428.
Blood (plasma and serum)	Determination of p,p'-dichloro-diphenyl-trichloroethane (DDT), 1,1-Dichloro-2,2-bis(p-chlorophenyl) ethylene (DDE) και Hexachlorobenzene (HCB)	In house method (SOP 520.13, SOP 520.06) using GC-High Resolution MS validated according to the requirements of the EU Guideline SANTE/11312/2021.
1. Food 2. Animal feed 3. Mother milk and blood (plasma, serum)	Determination of polybrominated diphenylethers (PBDEs)	In house method (SOP 520.04, SOP 520.06) using GC-High Resolution MS validated according to the requirements of Regulation 657/2002/EU.

Site of assessment: **Permanent laboratory premises, National Centre of Scientific Research "Demokritos", Aghia Paraskevi ,Attiki**
Approved signatory: **Leontios Leontiadis**

This scope of Accreditation replaces the previous one dated 22.09.2023.
The Accreditation Certificate No. **321**-6, to ELOT EN ISO/IEC 17025:2017, is valid until 01.02.2028.

Athens, 12th of December 2025

Konstantinou Evangelos Apostolpos
CEO of ESYD