

Hellenic Accreditation System



Annex F1/11 to the Certificate No. **321-4**

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 of ruminants, poultry and farmed game and pigs 2. Liver of terrestrial animals and derived products -Muscle meat of fish and fishery products-Muscle meat of eel and products- Milk and milk products, including butter fat-Eggs and egg products 3. Oils and fats 4. Animal feed 5. -Mother milk and blood (plasma, serum). 6. Foods for infants and young children	1. Determination of polychlorodibenzo-dioxins (PCDDs) and polychlorodibenzofuranes (PCDFs) 2. Determination of polychlorobiphenyls (PCBs)	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). 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.

Tested materials/ products	Types of test/ Properties to be measured	Applied Standards/ Techniques to be used
Air (vapor and particulate phase) (continue)	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.
<ol style="list-style-type: none"> 1. Meat and meat products of ruminants, poultry and farmed game and pigs 2. Liver of terrestrial animals and derived products <ul style="list-style-type: none"> -Muscle meat of fish and fishery products -Muscle meat of eel and products -Milk and milk products, including butter fat -Eggs and egg products 3. Oils and fats 4. Fruits and vegetables 5. blood (blood plasma and blood serum) 	1. Determination of perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS)	In house method (SOP 520.12) using LC-MS/MS validated according to the requirements of the Decision 2010/161/EU.
1. Blood (plasma and serum)	1. 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/11813/2017.

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 13.12.2018.
The Accreditation Certificate No. **321-4**, to ELOT EN ISO/IEC 17025:2005, is valid until 01.02.2023.

Athens, May 30th, 2019

Konstantinos Voutsinas
Managing Director, ESYD