ΕΘΝΙΚΟ ΣΥΣΤΗΜΑ ΔΙΑΠΙΣΤΕΥΣΗΣ

Annex F1/17 to the Certificate No **878**-6

SCOPE of ACCREDITATION

of

Testing Laboratory

of

ANDROULAKISLAB EE

Tested materials / products	Types of test / Properties	Applied standards / Techniques
Microbiological Tests		
1. Food and animal feeding stuffs	1. Enumeration of the total aerobic micro-organisms at 30 °C	ISO 4833-1:2013
	2. Enumeration of enterobacteriaceae at 37 °C	ISO 21528-2:2017
	3. Enumeration of coliforms	ISO 4832: 2006
	4. Enumeration of β–glucuronidase-positive *E. coli*	ISO 16649-2: 2001
	5. Enumeration of coagulase-positive staphylococci	ISO 6888-1: 2021
	6. Enumeration of *Listeria monocytogenes*	ISO 11290-2:2017
	7. Detection of *Listeria monocytogenes*	ISO 11290-1:2017
	8. Detection of non-typhi, non-paratyphi *Salmonella* spp.	ISO 6579-1:2017
	9. Enumeration of yeasts and moulds at 25°C (a_w>0,95)	ISO 21527-1:2008
	10. Enumeration of yeasts and moulds at 25°C ($a_w \leq 0,95$)	ISO 21527-2:2008

Tested materials / products	Types of test / Properties	Applied standards / Techniques
2. Raw milk	1. Detection of antibiotics (penicillin, penethamate, ambicillin, amoxicillin, nafcillin, cloxacillin, dicloxacillin, oxacillin, cefacetrile, cephalexin, cephalonium, cefoperazone, ceftiofur, cephapirin, cefazolin, cefuroxime, doxycycline, sulfadimidine, sulfadimethoxine, sulfamerazine, sulfathiazole, sulfadiazine, sulphamethazine, sulphadoxine, sulphamethoxazole, tylosin, tilmicosin, gentamıcin, neomycin, paranomycin, chloramphenicol, dapsone, rifamixin, pirlimycin, trimethoprim)	Diffusion method DELVO TEST SP NT
3. Canned foods with pH value greater than 4,6	1. Stability test	FDA/BAM:2001, Chapter 21A
4. Canned foods with pH value less than or equal to 4,6	1. Stability test	FDA/BAM:2001, Chapter 21A
5. Animal faeces and environmental samples from the primary production stage	1. Detection of non-typhi, non-paratyphi *Salmonella* spp.	ISO 6579-1:2017
6. Drinking water	1. Enumeration of culturable microorganisms at 22±2°C and 36±2°C	ISO 6222:1999
	2. Detection and enumeration of coliforms and *E. coli*	ISO 9308-1:2014/amd1:2016
	3. Detection and enumeration of intestinal enterococci	ISO 7899-2:2000
	4. Enumeration of *Clostridium perfringens* including spores	ISO 14189:2013
	5. Detection and enumeration of *Pseudomonas aeruginosa*	ISO 16266:2006
7. Water and environmental samples (other than sludge and surface water)	1. Enumeration of *Legionella* spp.	ISO 11731:2017 (§8.4.2, 8.4.3, 8.4.4)
Chemical Tests		
1. Drinking, ground and surface water	1. Electrometric determination of pH	ELOT 658:1983
	2. Determination of electrical conductivity	ELOT EN 27888:1993

Tested materials / products	Types of test / Properties	Applied standards / Techniques
1. Drinking, ground and surface water (continued)	3. Determination of total hardness	ISO 6059:1984
	4. Determination of calcium	ISO 6058:1984
	5. Determination of magnesium	Calculated from ISO 6059:1984 and ISO 6058:1984
	6. Determination of chloride	ISO 9297:1989
2. Drinking water	1. Determination of nitrate	HACH LCK 339
	2. Determination of nitrite	HACH LCK 341
	3. Determination of ammonium	HACH LCK 304
	4. Determination of orthophosphates (reactive phosphorus)	HACH LCK 349
	5. Determination of sulphate	HACH LCK 153
3. Wastewater	1. Determination of COD	HACH LCK 014, LCK 314 & LCK 514
	2. Determination of BOD	In house Method based on APHA 5210 B & HACH LCK 314 & 514
	3. Determination of total suspended solids (TSS)	In house Method based on APHA 2540 D
	4. Determination of total dissolved solids (TDS)	In house Method based on APHA 2540 C
4. Vegetable oils	1.Determination of free acids, cold method	Method of Regulation (EE)2022/2015,-Annex I, by titrimetry, IOC COI/T.20/Doc No 34
	2. Determination of Peroxides Index	Method of Regulation (EE)2022/2015,-Annex I,by titrimetry IOC COI/T.20/Doc No 35
	3. Determination of K232, K268 - Spectrophotometric investigation in the ultraviolet	Method of Regulation (EE)2022/2015,-Annex I,-IOC COI/T.20/Doc No 19
5. Raw milk	1. Determination of freezing point	Cryoscope Routine method ISO 5764: 2009, IDF 108: 2009 Annex C
	2. Somatic cells	In house Method based on the Operating Instructions of the Instrument “NucleoCounter" by "Chemometec”

Tested materials / products	Types of test / Properties	Applied standards / Techniques
6. Honey	1. Determination of HMF	Spectrophotometric method White, "Harmonized methods of the European Honey Commission", Apidologie Extra issue, p.25 - 27, (1997)
	2. Determination of diastase activity	Kinetic spectrophotometric method Schade: "Harmonized methods of the European Honey Commission", Apidologie Extra issue, p.31 - 34, (1997)
	3. Quantitative and qualitative pollen analysis of honey	Methods of Melissopalynology, *Bee World*, 59, 139 -157 (Louveaux et al., 1978)
7. Flours, cereals, and nuts	1. Determination of mycotoxins (Aflatoxins B1, B2, G1, G2 and Fumonisins B1, B2)	In house method O-305/94
Sampling		
Waters: -Drinking water, -ground water -water of swimming pools -Sea water bathing	Sampling for the determination of physicochemical parameters	ISO 5667-3:2018, ISO 5667-5:2006, ISO 5667-11:2009, ISO 5667-14:2014)
	Sampling for the determination of microbiological parameters	ISO 5667-5:2006, ISO 5667-11:2009, ISO 5667-14:2014, ISO 19458:2006, Directive 2006/7/EC Health Provision C1/443/73 (GG 87/B/24-1-73), as amended and in force.

Site of assessement: **Laboratory permanent premises, 14km National Road Thessaloniki – Vasilikon, P.C 57001, Thermi Thessaloniki.**

Approved signatory: **Dr Petros Androulakis, Efstathios Chronis, Despina Xaidou, Fotini Karra, Spyrogianni Maria, Kalfa Evmorfia, Alexandros Papachristoforou.**

This Scope of Accreditation replaces the previous one dated 07.01.2026.
The Accreditation Certificate No. **878**-6, according to ELOT EN ISO/IEC 17025:2017, is valid until 07.07.2030.

Athens, 19 June 2026

Konstantinou Evangelos Apostolos
CEO of ESYD