

Hellenic Accreditation System



Annex F1/2 to the Certificate No.1156 SCOPE of ACCREDITATION

of the

Testing Laboratory

«DIMITRIOU BROS General Partnership»

with the distinctive title **«VIOANALYSIS»**

Materials/Products tested	Types of test/Properties measured	Applied methods/Techniques used
Chemical Tests		
1. Water (Potable, surface, ground and spring water and swimming pools)	1. Determination of pH (*)	ISO 10523:2008
	2. Determination of electrical conductivity (*)	ΕΑΟΤ EN 27888:1993
	3. Determination of ammonium, nitrogen ammonia and total ammonia (*)	HACH method 8038
	4. Determination of sulfates (*)	HACH method 8051
	5. Determination of nitrates (*)	APHA ⁽¹⁾ 4500-NO ₃ ⁻ Method B
	6. Determination of orthophosphates and total phosphorus (*)	HACH method 8048
	7. Determination of nitrites and nitrite nitrogen (*)	HACH method 8507
	8. Determination of residual chlorine (*)	HACH method 8021
	9. Determination of total chlorine	HACH method 8167
	10. Determination of Turbidity (*)	ΕΑΟΤ EN ISO 7027-1:2016
	11. Determination of Color (*)	APHA ⁽¹⁾ 2120C

Materials/Products tested	Types of test/Properties measured	Applied methods/Techniques used
2. Waste water	1. Determination of pH	ISO 10523:2008
	2. Determination of electrical conductivity	ΕΛΟΤ EN 27888:1993
	3. Determination of Turbidity	ΕΛΟΤ EN ISO 7027-1:2016
	4. Determination of Color	APHA ⁽¹⁾ 2120C
	5. Determination of chemical oxygen demand (COD)	HACH method LCI 500
	6. Determination of orthophosphates and total phosphorus	HACH method LCK 348
	7. Determination of ammonium	HACH methods LCK 303 + LCK 304
3. Fresh milk	1. Determination of fat	Internal Method using thermal / optical detector (Method Code: 01-GX)
	2. Determination of protein	Internal Method using thermal / optical detector (Method Code: 02-GX)
4. Olive oil	1. Determination of Peroxide value	Commission Regulation (EEC) 2568/91 (Annex III), as in force
	2. Determination of Acidity	Commission Regulation (EEC) 2568/91 (Annex II), as in force
	3. Ultraviolet spectrophotometric analysis	Commission Regulation (EEC) 2568/91 (Annex IX), as in force
5. Food and animal feeding stuffs	1. Determination of water activity	ISO 18787:2017
	2. Determination of moisture	In house method with the use of electronic moisture analyzer (Method Code: 01-TX)
Microbiological Tests		
1. Potable, surface and swimming pool water	1. Detection and enumeration of total coliform bacteria and <i>E. coli</i> (*)	ISO 9308-1:2014
	2. Detection and enumeration of intestinal enterococci (*)	ISO 7899-2:2000
	3. Enumeration of culturable microorganisms at 22 ± 2°C and 36 ± 2°C (*)	ISO 6222:1999
	4. Detection and enumeration of <i>Pseudomonas aeruginosa</i> (*)	EN ISO 16266:2006
	5. Enumeration of <i>Clostridium perfringens</i> (*)	ISO 14189:2013

Materials/Products tested	Types of test/Properties measured	Applied methods/Techniques used
2. Bottled water	1. Detection and enumeration of <i>Pseudomonas aeruginosa</i> (*)	EN ISO 16266:2006
3. Food and animal feeding stuffs	1. Enumeration of microorganisms – colony count technique at 30°C	ISO 4833-1:2013
	2. Detection and enumeration of <i>Enterobacteriaceae</i>	ISO 21528-2:2017
	3. Enumeration of <i>Coliforms</i> – Colony count technique at 37°C	ISO 4832:2006
	4. Enumeration of β-glucuronidase-positive <i>Escherichia coli</i>	ISO 16649-2:2001
	5. Enumeration of coagulase – positive staphylococci (<i>Staphylococcus aureus</i> and other species)	ISO 6888-2:1999/Amd1:2003
	6. Detection of <i>Salmonella spp</i> except <i>S. typhi</i> και <i>paratyphi</i>	ISO 6579-1:2017
	7. Detection of <i>Listeria monocytogenes</i>	ISO 11290-1:2017
	8. Enumeration of <i>Clostridium perfringens</i>	ISO 7937:2004
	9. Detection and enumeration of <i>Listeria monocytogenes</i>	ISO 11290-2:2017
4. Animal faeces and samples from the primary production stage	Detection of <i>Salmonella spp</i> except <i>S. typhi</i> και <i>paratyphi</i>	ISO 6579-1:2017
5 Water (potable, natural, industrial, waste)	Enumeration of <i>Legionella spp</i>	ISO 11731 : 2017
6.Wastewaters	1. Detection and enumeration of coliform bacteria and <i>Escherichia coli</i>	ISO 9308-1:2014
	2.Detection and enumeration of intestinal enterococci	ISO 7899-2:2000

Sampling

1. Drinking water, water for human consumption, marine waters	1. Determination of chemical parameters	ISO 5667-1:2006 ISO 5667-3:2012 ISO 5667-5:2006 ISO 5667-9:1992 ISO 5667-14:1998
	2. Determination of microorganisms	ISO 19458:2006 ISO 5667-1:2006 ISO 5667-3:2012 ISO 5667-5:2006 ISO 5667-9:1992 ISO 5667-14:1998
2.Carcases	Carcass sampling for microbiological analysis	ISO 17604:2015
3. Surfaces in the food chain environment	Horizontal methods for surface sampling	ISO 18593:2018

Methods marked with () are in accordance with the method specification criteria of Common Ministerial Decision ΓΙ(δ)/ ΓΠ οικ.67322 (19-09-2017) concerning the quality of water for human consumption.

1. APHA: 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: Permanent Laboratory premises, Arx. Makariou 11, WB 123, PC 452 21, Ioannina, Greece.
Approved signatories: D. Dimitriou, I. Pitsika.

This Scope of Accreditation replaces the previous one dated 19.02.2019.

The Accreditation Certificate No. 1156, to ELOT EN ISO/IEC 17025: 2017, is valid until 18.06.2022.

Athens, 29.05.2020

