

# Hellenic Accreditation System



Annex F1/2 to the Certificate No.1239

## SCOPE of ACCREDITATION

of the

**Testing Laboratory**

of

**CheMa Laboratories Analytical Laboratories General Partnership**

Tested Materials / Products	Types of Test / Properties to be measured	Applied Standards / Techniques to be used
Chemical testing		
Honey	1. Determination of moisture	Refractometric method, "Harmonized Methods of the International Honey Commission", p. 10-15
	2. Determination of electrical conductivity	Potentiometric method, "Harmonized Methods of the International Honey Commission", p. 16-18
	3. Determination of HMF (hydroxymethylfurfural)	Spectrophotometric method White, "Harmonized Methods of the International Honey Commission", p. 29-31
	4. Determination of diastase activity	Spectrophotometric method Schade, "Harmonized Methods of the International Honey Commission", p. 35-38
	5. Determination of pH	In-house method based on "Harmonized Methods of the International Honey Commission", p. 21-23
	6. Determination of free acidity	In-house method based on "Harmonized Methods of the International Honey Commission", p. 21-23
	7. Determination of sugars (fructose, glucose, sucrose, maltose)	In-house method using HPLC/RI based on "Harmonized Methods of the International Honey Commission", p. 46-48
Olive and olive pomace oils	1. Determination of acidity	COI/T.20/Doc. No 34/Rev. 1, 2017
	2. Determination of peroxide value	COI/T.20/Doc. No 35/Rev.1, 2017
	3. Spectrophotometric investigation in the ultraviolet (K values at 268 nm and 232 nm) and the parameter ΔK	COI/T.20/Doc. No 19/Rev. 5, 2019

Tested Materials / Products	Types of Test / Properties to be measured	Applied Standards / Techniques to be used
Potable, surface water and waste water	Determination of pH	APHA-4500-H+, 23 <sup>rd</sup> ed., 2017*
Potable and surface water	1. Determination of electrical conductivity	Method No.: WTR02 In house method based on APHA-2510B, 23 <sup>rd</sup> ed., 2017*
	2. Determination of nitrates (NO <sub>3</sub> <sup>-</sup> )	Method No.: WTR03 In house method based on APHA-4500-NO <sub>3</sub> B <sub>7</sub> , 23 <sup>rd</sup> ed., 2017*
	3. Determination of chloride (Cl <sup>-</sup> )	Method No.: WTR04 Macherey Nagel test kit 91820
	4. Determination of nitrites (NO <sub>2</sub> <sup>-</sup> )	Method No.: WTR05 Macherey Nagel test kit 91867
	5. Determination of ammonium (NH <sub>4</sub> <sup>+</sup> )	Method No.: WTR06 Macherey Nagel test kit 91805
Food (Bakery wares, beverages, seasonings and condiments, sauces)	1. Determination of sorbic acid and benzoic acid	In-house method using HPLC/DAD based on ISO 22855:2008.
<b>Microscopic testing</b>		
Honey	Qualitative pollen analysis in honey	Method No.: HON04 In house method based on J. Louveaux et al., Methods of Melissopalynology, Bee World, 59:4, 139-157 (1978)
	Determination of % pollen grains of thymus, citrus, castanea, helianthus, erica in honey	
	Qualitative and quantitative determination of starch	

\* American Public Health Association, American Water Works Association, Water Environment Federation, "Standard Methods for the Examination of Water and Wastewater", 23<sup>rd</sup> Edition, 2017

Site of assessment : **Permanent Laboratory premises, Xenofontos 2, Corinth, Greece**

Approved signatories: **A. Kampolis , F. Ravani**

This Scope of Accreditation replaces the previous one dated 23.03.2021.

The Accreditation Certificate No. **1239**, according to ELOT EN ISO/IEC 17025:2017, is valid until 22.03.2025.

Athens, 27.03.2024

Christos Nestoras  
*CEO of ESYD*