Hellenic Accreditation System

Annex F1/IX16 to the Certificate No **142**-6

SCOPE of ACCREDITATION

of the

Chemical Service of Volos

of the

General Chemical State Laboratory

Tested materials/ products	Types of test/ Properties to be measured	Applied standards/ Techniques to be used
Chemical tests		
1. Honey	1. Determination of diastase activity	*Method code: ΜΕΘ 33 00 01* Harmonized Methods of the International Honey Commission (2009), paragraph 6.2, by spectrometry
	2. Determination of hydroxymethylfurfural (HMF)	*Method code: ΜΕΘ 33 00 02* Harmonized Methods of the International Honey Commission (2009), paragraph 5.2, by spectrometry
	3. Determination of Sugars	*Method code: ΜΕΘ 33 00 03* Harmonized Methods of the International Honey Commission (2009), paragraph 7.2, by High Performance Liquid Chromatography (HPLC)
	4. Determination of Moisture	*Method code: ΜΕΘ 33 00 09* Harmonized Methods of the International Honey Commission (Method 1)
	5. Determination of electrical conductivity	*Method code: ΜΕΘ 33 00 10* Harmonized Methods of the International Honey Commission (Method 2)

Tested materials/ products	Types of test/ Properties to be measured	Applied standards/ Techniques to be used
1. Honey (cont.)	6. Determination of free acidity of honey meq/kg	*Method code: ΜΕΘ 33 00 13* Harmonized Methods of the International Honey Commission (2009), paragraph 4.1, by potentiometric titration
	7. Pollen analysis of honey: Determination of pollen grains and percentage of thyme pollen grains of the total pollen grains in nectariferous plants in honey	*Method code: ΜΕΘ 33 00 11* Harmonized methods of Melissopalynologie (International Honey Commission W. Von der Ohe et al., Apidologie 35 (2004) S18-S25)
2. Foods and Beverages	1. Determination of benzoates and sorbates	*Method code: ΜΕΘ 33 00 04* Method Lebensmittel BundesGesetz (LMGB) § 35, by High Performance Liquid Chromatography (HPLC)
3. Alcoholic Drinks except those of high sugar content	1. Determination of phthalates	*Method code: ΜΕΘ 33 00 05* In-house method based on J. AOAC Int, 1995, 78(3), 730, by HPLC
4. Alcoholic Drinks	1. Determination of volatile ~~substances~~ congeners in ethyl alcohol and alchoolic drinks	*Method code: ΜΕΘ 33 00 07* In house method based on Regulation (EC) 2870/2000 by Gas Chromatography
	2. Determimation of alcoholic content in ethyl alcohol, spirits, wine, beer by alcoholic Electronic densimeters	*Method code: ΜΕΘ 33 00 08* In house method based on Regulation (EC) 2870/2000 and on the Compendium of International Methods Of Analysis-OIV, OIV method MA-AS312-01A by electronic densimeter.
5. Alcoholic Drinks and wines	3. Determination of sugars	*Method code: ΜΕΘ 33 00 03* In house Method based on Regulation (EC) 2870/2000 and on the Compendium of International Methods Of Analysis-OIV, method OIV-MA-AS311-03 by HPLC
6. Wine	1. Total acidity expressed as tartaric acid in g/L	*Method code: ΜΕΘ 33 00 13* In house method based on the Compendium of International Methods Of Analysis-OIV, method OIV MA-AS313-01 by titration.

Tested materials/ products	Types of test/ Properties to be measured	Applied standards/ Techniques to be used
6. Wine (cont.)	2. Volatile acidity expressed as acetic acid in g/L	*Method code: ΜΕΘ 33 00 12* In house method based on the Compendium of International Methods Of Analysis-OIV, method OIV MA-AS313-02 by titration.
	3. Total sulfur dioxide in wine in mg/L	*Method code: ΜΕΘ 33 00 14* In house method based on the Compendium Of International Methods Of Analysis-OIV, method OIV MA-AS323-04A, by titration.
	4. Determination of alcoholic content in ethyl alcohol, spirits, wine, beer by alcoholic Electronic densimeters.	*Method code: ΜΕΘ 33 00 08* In house method based on Regulation (EC) 2870/2000 and on the Compendium Of International Methods Of Analysis-OIV, method OIV-MA-AS312-01A by electronic densimeter.
7. Beer	1. Determination of plato grades by volume in beer, without distillation	*Method code: ΜΕΘ 33 00 15* In house method based on Ministerial Decision 3006674/1102/0029 (Official Government Gazette B'528/2010) using refractometer, by calculation
	2. Determination of alcoholic content %vol in beer, without distillation	*Method code: ΜΕΘ 33 00 16* In house method based on Ministerial Decision 3006674/1102/0029 (Official Government Gazette B'528/2010) by electronic densimeter
8. Various sample types	1. Qualitative analysis of Cocaine with gas chromatography with mass spectrometry (GC-MS)	*Code of Method: ΜΕΘ 33 00 17 (according to the Law 4139/2013)* In house method based on Ministerial Decision

Site of assessment: **Laboratory permanent premises, Demetriados 182, Volos.**
Approved signatories: **M.Tsaknaki, A. Kasapidou, C. Petkousi, F. Schipper, K. Sidas, A. Seretis, A. Iosifidis, K.Mylonas.**

This Scope of Accreditation replaces the previous one dated 02.05.2024.
The Accreditation Certificate No. **142**-6, to ELOT EN ISO/IEC 17025:2017, is valid until 06.11.2028.

Athens, 31.10.2024

Konstantinos Kourtalis
Chairman of ESYD