Hellenic Accreditation System

HELLENIC ACCREDITATION SYSTEM

Annex F1/II22 to the Certificate No. **142**-6

SCOPE of ACCREDITATION

of the

B΄ Chemical Service of Athens

of the

General Chemical State Laboratory

Materials / Products to be tested	Types of test / Properties to be measured	Applied methods / Techniques to be used
Chemical tests		
1. Fertilizers	1. Determination of phosphorous (gravimetric): A) Water soluble phosphorous B) Phosphorous soluble in neutral ammonium citrate C) Phosphorous soluble in mineral acids	Method code 13 01 ΦΩΣΦ ELOT EN 15958:2012 & 15959:2024 ELOT EN 15957:2011 & 15959:2024 ELOT EN 15956:2011 & 15959:2024
	2. Determination of nitrogen (Kjeldahl distillation): A) Ammoniacal nitrogen B) Nitric and total ammoniacal and nitric nitrogen C) Ureic and total ammoniacal and ureic nitrogen	Method code 13 01 ΑΖΩΤ ELOT EN 15475:2010 ELOT EN 15476:2009 ELOT EN 15604:2009
	3. Determination of chlorine (Cl-) (potentiometric titration)	Method code 13 01 ΧΛ 01 Modified method, based on Reg. (EC) 2003/2003 Annex III – M.6 and Annex IV-M.6.1
	4. Gravimetric determination of the water soluble and total sulphur in sulfate form	Method code 13 01 Θ 01 ELOT EN 15960:2012, 15961:2017, 15749:2023
	5. Determination of water soluble potassium (gravimetric)	Method code 13 01 ΚΑΛ ELOT EN 15477:2009

Materials / Products to be tested	Types of test / Properties to be measured	Applied methods / Techniques to be used
2. Plastics	1. Determination of phthalate esters in PVC articles	Method code 13 01 ΦΘ 02 In-house validated method, HPLC
2. Plastics (cont.)	2. Identification and quantification of Di [2-ethylhexyl] phthalate in PVC materials	Method code 13 04 DEHP_1 In-house validated method, GC-MS
3. Paper and paperboard	1. Determination of paper and paperboard ash on ignition at 900 ºC	Method code 13 02 04 ISO 2144: 2019, ISO 287:2017, ISO 638-1:2022
	2. Determination of pH of aqueous extracts-Part 1: Cold extraction	Method code 13 02 07 ISO 6588-1:2021 ISO 186:2002
	3. Determination of paper and paperboard moisture content - Oven drying method at 105 ºC	Method code 13 02 08 ISO 287:2017, ISO 638-1:2022 ISO 187: 2022, ISO 186:2002
4. Binary mixtures of textile fibres: Cotton – polyester Rami – polyester Viscose - polyester	1. Quantitative analysis of binary mixtures of textile fibres: Certain cellulose fibres and polyester fibres	Method code 13 01 ΔΥΦ 01 Regulation (EE) 1007/2011 Annex VIII, Chapter 2, part IV «Special Methods», Method No. 7.
5. Binary mixtures of textile fibres: Wool – acrylic Wool-polyamide wool -polyester	1. Quantitative analysis of binary mixtures of textile fibres: Wool fibres and acrylic or polyamide or polyester fibres	Method code 13 01 ΔΥΦ 02 Regulation (EE) 1007/2011 Annex VIII, Chapter 2, part IV «Special Methods», Method No.2
6. Leather	1. Determination of chromium (VI) content	Method Code 13 01 ΔΕΡ Cr (VI)-UV/VIS ELOT EN ISO 17075-1:2017, ISO 2418: 2023, ISO 4044:2017, ISO 4684:2005 Spectrophotometry UV-VIS
7. Substances and preparations suspected for narcotic drugs	1. Identification of cocaine in samples suspected for narcotic drugs.	Method code 13 03 KOK 01 In-house validated method, GC-MS
8. Textiles and Leather	1. Formaldehyde Determination in Textiles and Leather using spectrophotometric method	Method code 13 01 HCHO Textiles – Leather - UV VIS ISO 14184-1:2012 ISO 14184-2:2012 ISO 17226-2:2018 Spectrophtometric method UV-VIS

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9.Textiles	1.Determination of Quinoline in Textiles by Gas Chromatography with tandem quadrupole mass spectrometer (GC- MS/MS)	Method code 13 01 Tex Quin In house validated method, GC-MS/MS
10. Textiles and Polymers	2. Determination of Polycyclic Aromatic Hydrocarbons in Textiles and Polymers by Gas Chromatography with tandem quadrupole mass spectrometer (GC-MS/MS).	Method code 13 01 Tex & Poly PAHs In house validated method, GC-MS/MS
Physical tests		
1. Fabrics	1. Textiles – Tests for colour fastness-Part-C10: Colour fastness to washing with soap or soap and soda	Method code 13 03 04 ISO 105-C10: 2006
	2. Textiles - Colour fastness to perspiration	Method code 13 03 02 ISO 105-E04: 2013
	3. Textiles - Colour fastness to water	Method code 13 03 03 ELOT EN ISO 105-E01:2013
	4. Textiles - Colour fastness to dry cleaning using perchloroethylene solvent	Method code 13 03 06 ELOT EN ISO 105-D01:2010
Mechanical tests		
1. Paper and board	1. Determination of thickness of single sheets of paper and paper board	Method code 13 02 02 ELOT EN ISO 534: 2011 and ISO 187:2022
	2. Determination of tensile strength of paper and paperboard	Method code 13 02 03 ISO 1924-2:2008 and ISO 187: 2022
	3. Determination of smoothness (Bekk) of paper and paper board	Method code 13 02 05 ISO 5627:1995, ISO 187: 2022
	4. Determination of roughness/smoothness (air leak method) of paper and paper board	Method code 13 02 06 ISO 8791-2: 2013 and ISO 187:2022
2. Textiles and Rubber or Plastic-Coated Textiles	1.Tensile Properties of Fabrics, Determination of maximum force using the strip method and / or grab method Rubber or plastics -coated fabrics – Determination of tensile strength	Method code 13 01 Tex Tensile strip and/or grab. ELOT EN ISO 13934.01:2013 ELOT EN ISO 13934.02:2014 ISO 1421:2016

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Chemical tests		
1. Materials and articles intended to come into contact with food	1. Determination of Overall Migration from plastics intended to come into contact with food, into volatile food stimulants, by Gravimetry	Method Code: OM-GRAV Documented in-house method, based on European standards: A. ELOT EN 1186-1:2002, by Gravimetry B. ELOT EN 1186-3:2022 by Gravimetry
1. Materials and articles intended to come into contact with food (cont.)	2. Determination of Overall Migration from plastics, intended to come into contact with food, into food simulant D2 (vegetable oil)-	Method Code: OM10 Documented in-house method based on European standard: ELOT EN 1186-2:2022 by Gravimetry/Gas Chromatography
	3. Semi-quantitative estimation of the specific migration of substances from plastics	Method Code: EM4 Documented in-house method based on CEN TC194/SC1/WG2: N 118, D. van Battum and J.B.H. van Lierop, by Gas Chromatography GC-FID, GC-MS
	4. Determination of lead and cadmium released from ceramics by Flame Atomic Absorption Spectrometry (FL-AAS)	Method Code: 13 02 KEP 01 Documented in house method based on Directive 84/500/EC (Annexes I and II) Flame Atomic Absorption Spectrometry (FL-AAS)

Materials / Products to be tested	Types of test / Properties to be measured	Applied methods / Techniques to be used
2. Food simulants and foodstuffs Food contact materials (FCM)	1. Determination of organic compounds contained or migrating/released from FCM, in which the following are included: starting substances for the manufacture of FCM, additives, non-intentionally added substances (NIAS)	Method Code: 1302 FLEX 01 In-house methods based on: • Standard methods (e.g. CEN-TS 13130 method series) • Technical Guidelines of the European Reference laboratory for FCM (e.g. EUR 24815 EN 2011) • International Scientific Publications The analytical techniques used are: GC/FID, GC/MS, GC/MS-MS, LC-QTOF, HPLC/DAD, HPLC/FLD and UV/VIS * Flexible Scope The list of accredited activities can be downloaded from the following link: https://www.aade.gr/sites/default/files/2023-10/ENT_13_00_7.02_01_%CE%B5%CE%BA%CE%B4_01_2023eng.pdf

Site of assessment: **Permanent Laboratory Premises, 16 An. Tsocha Str., Athens, Greece.**
Approved signatories: **Eug. Lampi, M. Kormali, St. Xydas, Ar. Papageorgiou, Thras. Savvas, D. Theodosiou, E. Chatiri, K. Chryssou, E. Lampa, S. Kontou, T. Togkalidou, Eug. Desipri, L. Fasia, D. Triantou, E. Kokkalis, K. Pagonis-Floros, S. Fountoulakis, E. Nikolopoulou, C. Malavaki, A. Tarasouleas, K.Triantou, D. Vassou, Ch. Vasilikioti, D.Kalogiannidis, G. Pantela.**

This Scope of Accreditation replaces the previous one dated 31.10.2024
The Accreditation Certificate No. **142**-6, according to ELOT EN ISO/IEC 17025:2017, is valid until 06.11.2028

Athens, 14.07.2026

Evangelos Apostolos Konstantinou
CEO of ESYD