Hellenic Accreditation System

Annex F1/C18 to the Certificate No. **64**-8

SCOPE of **ACCREDITATION**

of the

Testing Laboratories

of the

Materials Industrial Research and Technology Center S.A.
(MIRTEC S.A.)
(Athens Laboratory)

Materials / Products to be tested	Types of test / Properties to be measured	Applied methods / Techniques to be used
Physical and other tests		
1. Textile materials and products	1. Color fastness to water	ELOT EN ISO 105– E01:2013 Y – 332
	2. Color fastness to perspiration	ELOT EN ISO 105 –E04: 2013 Y – 334
	3. Color fastness to dry and wet rubbing	ELOT EN ISO 105 –X12: 2016 Y – 335
	4. Determination of mass per unit area using small samples	ELOT EN 12127: 2000 Y – 384
	5. Determination of resistance to surface wetting (spray test)	EN ISO 4920: 2012 Y – 341
	6. Determination of number of threads per unit length	ELOT EN 1049 – 2: 1994 Y – 382 ISO 7211-2:1984 (Methods A,B)
1. Textile materials and products	Colour fastness to saliva - perspiration	Method code:WI / labChemAnal-1/11 In house method
2 Toys	Flammability	ΕΛΟΤ EN 71-2:-2020
3 Leather, Textile materials and products	Determination of abrasion resistance	ELOT EN 530:2011 ELOT EN ISO 12947-2: 2016 ELOT EN ISO 20344:-2021

Materials / Products to be tested	Types of test / Properties to be measured	Applied methods / Techniques to be used
Chemical tests		
1. Textile materials and products	1. Determination of phthalates	EN ISO 14389: 2015 CPSC-CH-C1001-09.4 Standard Operating Procedure for Determination of Phthalates January 17, 2018
	2. Determination of formaldehyde – Part 1: Free and hydrolyzed formaldehyde	ELOT EN ISO 14184-1: 2012
	3. Determination of certain aromatic amines derived from azo colorants (benzidine, 3,3'-dimethoxybenzidine)	In house method based on EN ISO 14362-1: 2017 by GC/MS
2. Fabrics, dyes and coatings, etc	Detection and Determination of Lead and Cadmium	In-house method based on ASTM E 1613-04 & ASTM E 1645-01 (2007), according to 16CFR Part 1303, CPSC-CH-E1003-09.1 and CPSC-CH-E1002-08. by Graphite Furnace Atomic Absorption Spectrometry (GFAAS) Techniques (microwave oven digestion)
3. Toys	Determination of Lead and Cadmium	In-house method based on ELOT EN 71-3:1995
4. Leather, Textile materials and products	Determination of pH	ELOT EN ISO 4045: 2018 ELOT EN ISO 3071: 2020
6. Plastics, Synthetic, Toys, Textile materials and products	Determination of polycyclic aromatic hydrocarbons (fluoranthene, pyrene, Dibenzo(a,h)anthracene)	Method code: WI / labChemAnal-1/12 In house method by GC/MS
	Determination of chlorinated phenols (3-chlorophenol, 2,3-dichlorophenol, 2,3,4-trichlorophenol)	Method code: WI / labChemAnal-1/13 In house method by GC/MS

Site of assessment: **Permanent laboratory premises, 4 El. Venizelou Str., 17676 Kallithea, Attiki, Greece.**
Approved signatories: **K. Stathopoulou, G. Archontis.**

This Scope of Accreditation replaces the previous one dated October 11th, 2022.
The Accreditation Certificate No. **64-7**, to ELOT EN ISO/IEC 17025:**2017**, is valid until 28.02.2026.

Athens, January 09th , 2025

Konstantinou Evangelos Apostolos
CEO of ESYD