

# Hellenic Accreditation System



## ACCREDITATION CERTIFICATE No. 792-3

The Hellenic Accreditation System (ESYD), as the national accreditation body of Greece in accordance with the Law 4468/2017,

### ACCREDITS

the  
Testing Laboratory  
of  
**TERRA NOVA, Environmental Engineering Consultancy  
(TERRA NOVA Ltd)**

in Athens, Greece

under the terms of the ELOT EN ISO/IEC 17025:2017 Standard and the ESYD Criteria, to carry out tests, as specified in the attached Scope of the Accreditation, which may be revised by decisions of ESYD.

The initial accreditation was issued on 06.02.2012. This Certificate renews the accreditation and it is valid until 05.02.2024, provided that the accredited body will comply with the above Standard and the ESYD Criteria.

Athens, 03.08.2020



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## Annex F1/8 to the Certificate No.792-3

### SCOPE of ACCREDITATION

of the  
**Laboratory**  
of the

**TERRA NOVA Ltd**  
**Environmental Engineering Consultancy**

Materials/Products tested	Types of test/Properties measured	Applied methods/Techniques used
	Sampling and Physical/Chemical tests	
Stack emissions from stationary sources	Sampling for the determination of Volatile Organic Compounds	CEN/TS 13649:2014 ELOT CEN/TS 15675:2008 UK ENVIRONMENT AGENCY: 2005: Technical Guidance Note M16 (MCERTS) J.M.D. 36060/1155/E.103/2013
	Isokinetic sampling and determination of mass concentration of particulate matter	ISO 9096:2017 EN 13284-01:2017 ELOT CEN/TS 15675:2008 ISO 10780:1994
	Determination of water vapour	EN 14790:2017 ELOT CEN/TS 15675:2008 ISO 10780:1994
	Sampling and determination of the mass concentration of total organic carbon (TOC) and total volatile organic compounds (expressed as TOVC) using a flame ionization detector.	EN 12619:2013 UK ENVIRONMENT AGENCY: 2005: Technical Guidance Note (Monitoring) M16 (MCERTS) EN 15259:2007 EN ISO 14956:2002 J.M.D. 36060/1155/E.103
	Isokinetic sampling for the determination of the total emission of the metals As, Cd, Cr, Co, Cu, Mn, Ni, Pb, Sb, Ti and V and Hg	ELOT EN 14385:2004 EN 13211:2001/AC:2005

Materials/Products tested	Types of test/Properties measured	Applied methods/Techniques used
Indoor air quality, workplace air quality	Active sampling of metals to workplace atmospheres and other indoor air places	EN 482:2012 + A1:2015 EN ISO 13137:2013 NIOSH 7300 P.D.90/1999 P.D. 94/1987, as revised by P.D. 338/2001 and 339/2001 P.D. 307/1986, as revised by P.D. 12/2012, P.D. 82/2018, P.D. 26/2020
Indoor air quality, workplace air quality	Air sampling for the determination of airborne fibre number concentrations	WHO :1997, Determination of airborne fibre number concentrations a recommended method, by Phase-Contrast Optical Microscopy (Membrane Filter Method).  HSG248  J.M.D. 4229/395/2013 P.D. 212/2006  P.D. 399/1994, as revised by P.D. 43/2003, P.D.127/2000, P.D. 26/2020
	Determination of suspended particles (inhalable and respirable suspended particles)	ELOT EN 481:1993 EN 482:2012 + A1:2015 EN ISO 13137:2013 ISO 15767:2009 MDHS 14/4 NIOSH 0500 NIOSH 0600 P.D. 307/1986 as revised by P.D.77/1993 and P.D. 90/1999
	Active sampling of volatile organic compounds (VOCs) to workplace atmospheres and other indoor air places	MDHS 96 NIOSH 1500 NIOSH 1501 NIOSH 1003 ISO 16017-1:2000 ISO 16000-6:2011
Air quality	Standard gravimetric measurement method for the determination of the PM10 mass concentration of suspended particulate matter	EN 12341:2014
	Acoustic tests	
Air quality	Environmental noise – Determination of environmental noise levels	ISO 1996-1:2016 ISO 1996-2:2017 EN 61672-1:2013 P.D. 1180/1981 J.M.D. 13586/724/2006 P.D. Revision of P.D. dated 06/10/1978 M.D. D7/A/12050/2223/2011 J.M.D. 211773/2012

Materials/Products tested	Types of test/Properties measured	Applied methods/Techniques used
		P.D. 455/1976
Workplace air quality	Determination of occupational noise exposure using sound level meter – sound dose meter	EN ISO 9612:2009 P.D. 149/2006 M.D. D7/A/12050/2223/2011
	Sampling	
Soil	Soil sampling	ISO 10381-1:2002 ISO 18400-101:2017 ISO 18400-102:2017 ISO 10381-5:2005 ISO 18400-202:2018 ISO 18400-203:2018 ASTM E 1527-13
Waters – Wastes (wastewater, solid wastes, sludges)	Waste sampling	EN 14899:2005 CEN/TR 15310-1:2006 CEN/TR 15310-2:2006 CEN/TR 15310-3:2006 EN ISO 5667-1:2007 ISO 5667-10: 2013 EN ISO 5667-13:2011 ISO 5667-15:2009
	Other tests	
Stack emissions from stationary sources	Quality assurance of automated measuring systems of particulate matter	EN 14181:2014, QAL2 and AST

Site of assessment: **Permanent laboratory premises, 39 Kaisareias, GR 11527, Athens, Greece**

Approved signatories: **Argyro Lagoudi, Stavroula Chandrinou.**

This Scope of Accreditation replaces the previous one dated 16.01.2020.

The Accreditation Certificate No.792-3, to ELOT EN ISO/IEC 17025:2017, is extended until 05.02.2024.

Athens, 03.08.2020

