



INTERNATIONAL
ACCREDITATION
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CERTIFICATE OF ACCREDITATION

This is to attest that

**HOUSING AND BUILDING NATIONAL RESEARCH CENTER;
SANITARY AND ENVIRONMENTAL ENGINEERING INSTITUTE,
CHEMISTRY, MICROBIOLOGY AND PIPE LAB**

87 EL-TAHRIR STREET
DOKKI, GIZA, ARAB REPUBLIC OF EGYPT
Testing Laboratory TL-353

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date October 20, 2024



International Accreditation Service
Issued under the authority of IAS management

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SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

HOUSING AND BUILDING NATIONAL RESEARCH CENTER; SANITARY AND ENVIRONMENTAL ENGINEERING INSTITUTE, CHEMISTRY, MICROBIOLOGY AND PIPE LAB

www.hbrc.edu.eg

Contact Name Prof. Safaa Ragheb

Contact Phone +20-128 4241111

Accredited to ISO/IEC 17025:2017

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Chemical	
SMEWW 4500 Cl- B	Chloride – Argemotometric method, standard methods for the examination of water and wastewater (23 rd edition)
SMEWW 4500 P	Phosphorus – Stannous chloride method, standard methods for the examination of water and wastewater (23 rd edition)
SMEWW 5220 D	Chemical oxygen demand (COD) – closed reflux, colorimetric method, standard methods for the examination of water and wastewater (23 rd edition)
Microbiological	
ASTM E2180 – 18	Standard Test Method for Determining the Activity of Incorporated Antimicrobial Agent(s) In Polymeric or Hydrophobic Materials
ASTM E2149 – 20	Standard Test Method for Determining the Antimicrobial Activity of Antimicrobial Agents Under Dynamic Contact Conditions
ASTM G21-15 (reapproved 2021):	Standard Practice for Degerming Resistance of Synthetic Polymeric Materials to Fungi
SMEWW 9215 B	Heterotrophic plate count - Pour Plate Method, standard methods for the examination of water and wastewater (23 rd edition)
SMEWW 23rd 2017: 9221	E-coli Multiple tube fermentation Technique
SMEWW 9222 B	Membrane filter technique for members of the coliform group - Standard Total Coliform Membrane Filter Procedure, standard methods for the examination of water and wastewater. (23 rd edition)
SMEWW 9222 D	Membrane filter technique for members of the coliform group - Thermotolerant (Fecal) Coliform Membrane Filter Procedure, standard methods for the examination of water and wastewater. (23 rd edition)

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Plumbing	
DIN 8061	Pipes of rigid PVC - general quality requirement – testing (clauses 6.3 and 6.4 only)
DIN 8075	Polyethylene (PE) pipes - PE 80, PE 100 - general quality requirements – testing (clause 6.3 only)
DIN 8078	Polypropylene (PP) pipes - PP-H, PP-B, PP-R, PP-RCT - General quality requirements and testing (clause 5.4 only)
ES 848-1	Pipes and fittings made of unplasticized poly (vinyl chloride) (PVC- U) for water supply - part 1: pipes
ES 1717	Pipes and fittings made of unplasticized poly (vinyl chloride) (PVC-U) for sewage
ES 1832-2 (2007)	Plastics piping systems for water supply – polyethylene (PE) – part 2: Pipes
ISO 2531	Ductile iron pipes, fittings, accessories and their joints for water applications. (Cl. 6.3 Tensile Test)

ES: Egyptian Standard

SMEWW: Standard Method for the Examination of Water and Wastewater

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