



INTERNATIONAL  
ACCREDITATION  
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# CERTIFICATE OF ACCREDITATION

*This is to attest that*

## HOUSING AND BUILDING NATIONAL RESEARCH CENTER MATERIALS TESTING LABORATORY

87 EL-TAHRIR STREET  
DOKKI, GIZA, ARAB REPUBLIC OF EGYPT

### Testing Laboratory TL-319

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 30, 2024



*International Accreditation Service*  
Issued under the authority of IAS management

Visit [www.iasonline.org](http://www.iasonline.org) for current accreditation information.

# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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## HOUSING AND BUILDING NATIONAL RESEARCH CENTER MATERIALS TESTING LABORATORY

[www.website.com](http://www.website.com)

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*Accredited to ISO/IEC 17025:2017*

*Effective Date October 30, 2024*

<b>CMT</b>	
BS 1881-207	Testing concrete - recommendations for the assessment of concrete strength by near-to-surface tests
EN 196-1	Methods of testing cement - part 1: determination of strength
EN 196-3	Methods of testing cement - part 3: determination of setting times and soundness
EN 12504-2	Testing concrete in structures - part 2: non-destructive testing — determination of rebound number
ESS 2421-1	Cement – Physical and mechanical test – part 1: determination of setting time and soundness
ESS 2421-7	Method of testing cement – part 7: determination of strength using prism
ISO 679	Cement -- test methods -- determination of strength
ISO 9597	Cement -- test methods -- determination of setting time and soundness
<b>Mechanical</b>	
ASTM A370	Standard test methods and definitions for mechanical testing of steel products Tension and bend test of rods only
ASTM A615/A615M	Standard Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement. Cl. 10 Bending requirements
ASTM E8/E8M	Standard test methods for tension testing of metallic materials
EN ISO 15630-1	Steel for the reinforcement and prestressing of concrete -- test methods -- part 1: reinforcing bars, wire rod and wire Cl. 5 Tensile test at room temperature only
ISO 6935	Steel for the reinforcement of concrete -- part 2: ribbed bars Cl. 9.1. Tensile test only
<b>Physical</b>	
ASTM C418	Standard test method for abrasion resistance of concrete by sandblasting

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EN 1338	Concrete paving blocks (section 5.3.3 only)
ESS 293-1	Testing of ceramic tiles – part 1: determination of water absorption, apparent porosity, apparent relative density, and bulk density.
ESS 293-2	Testing of ceramic tiles – part 2: determination of resistance to deep abrasion
ESS 293-3	Testing of ceramic tiles – part 3: determination of resistance to surface abrasion for glazed tiles
ESS 293-4	Testing of ceramic tiles – part 4: determination of dimensions and surface quality
ESS 293-10	Testing of ceramic tiles – part 10: determination of modulus of rupture and break strength
ESS 4382	Concrete paving blocks – requirements and test methods Section 5.3.3 only
ISO 10545-2	Ceramic tiles -- part 2: determination of dimensions and surface quality
ISO 10545-3	Ceramic tiles -- part 3: determination of water absorption, apparent porosity, apparent relative density and bulk density
ISO 10545-4	Ceramic tiles -- part 4: determination of modulus of rupture and breaking strength
ISO 10545-6	Ceramic tiles -- part 6: determination of resistance to deep abrasion for unglazed tiles
ISO 10545-7	Ceramic tiles -- part 7: determination of resistance to surface abrasion for glazed tiles
ISO 10545-17	Ceramic tiles – part 17: determination of coefficient of friction (1998)

*ESS: Egyptian Standard Specifications*

