



INTERNATIONAL  
ACCREDITATION  
SERVICE®

# CERTIFICATE OF ACCREDITATION

*This is to attest that*

**THE LAB (ASIA) LIMITED**  
22 SAN HI TSUEN STREET, PING SHAN,  
YUEN LONG, NEW TERRITORIES, HONG KONG

**Testing Laboratory TL-1111**

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 December 18, 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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## THE LAB (ASIA) LIMITED

[www.thelab.asia](http://www.thelab.asia)

**Contact Name** Simon YAN

**Contact Phone** +852-24702588

*Accredited to ISO/IEC 17025:2017*

*Effective Date December 18, 2024*

<b>Adhesive</b>	
Hong Kong Housing Authority Specification Library (2014) Cl. FIN5.150.A (3)	Pull off test of tiles
Hong Kong Housing Authority Specification Library (2018) Cl. FIN5.150.A (3) with modification	Pull off test of tiles
Hong Kong Housing Authority Specification Library (2018) Cl. FIN5.150.A (3)	Pull off test of tiles
Hong Kong Housing Authority Specification Library (2022) Cl. FIN5 T150.9 (3) with modification	Pull off test of tiles
Hong Kong Housing Authority Specification Library (2022) Cl. FIN5.150.9 (3)	Pull off test of tiles
Hong Kong Housing Authority Material Testing Services (2022/2024) for Maintenance & Building Materials Specification Part D Cl. 2.1.15 Method 1	Pull off test of repair mortar
Hong Kong Housing Authority Material Testing Services (2022/2024) for Maintenance & Building Materials Specification Part D Cl. 2.1.15 Method 1 (with modification)	Pull off test of repair mortar

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<b>Coating</b>	
ASTM A775/A775M-17 Cl. 8.1	Coating thickness
BS EN ISO 2808: 2019 Method 7B.2	Coating thickness
BS EN ISO 2178: 2016 Cl. 7	Coating thickness
BS EN ISO 4624: 2003 excluding Cl. 9.4.1 & 9.4.3	Pull-off strength of coatings using Portable Adhesion Testers
<b>Concrete</b>	
BS 1881: Part 122: 1983 + Amd. 6108	Water absorption
BS 1881: Part 122: 2011 + A1: 2020	Water absorption
CS1: 2010 Section 1	Sampling of fresh concrete on site
CS1: 2010 Section 2 Part I + Amd. 1/2017	Slump of fresh concrete
CS1: 2010 Section 7	Making test cubes from fresh concrete
CS1: 2010 Section 10	Curing of Specimens
CS1: 2010 Section 12	Compressive strength of concrete cubes in the force range 50 kN to 3000 kN
CS1: 2010 Section 15 + Amd. 1/2013	Obtaining core samples and determination of compressive strength of concrete cores in the force range 50 kN to 3000 kN
CS1: 2010 Section 16	Density of hardened concrete
<b>Concrete (diagnostic)</b>	
BS 1881: Part 202: 1986	Surface hardness test of concrete by Rebound Hammer
BS EN 12504-2: 2001	Surface hardness test of concrete by Rebound Hammer
BS EN 12504-2: 2012	Surface hardness test of concrete by Rebound Hammer
BS EN 12504-2: 2021	Surface hardness test of concrete by Rebound Hammer
<b>Grout</b>	
CS1: 2010 Section 7	Making of cubes
CS1: 2010 Section 10	Curing test specimens
CS1: 2010 Section 12	Compressive strength of grout cubes in the force range 50 kN to 3000 kN
<b>Soil</b>	
GEOSPEC 3: 2001 Test 11.1	In-situ bulk density and in-situ dry density of soils by the sand replacement method suitable for fine- and medium-grained soils (with small pouring cylinder)
GEOSPEC 3: 2017 Test 11.1	In-situ bulk density and in-situ dry density of soils by the sand replacement method suitable for fine- and medium-grained soils (with small pouring cylinder)



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GEOSPEC 3: 2001 Test 11.2	In-situ bulk density and In-situ dry density of soils by the sand replacement method suitable for fine, and medium and coarse-grained soils (with large pouring cylinder)
GEOSPEC 3: 2017 Test 11.2	In-situ bulk density and In-situ dry density of soils by the sand replacement method suitable for fine, and medium and coarse-grained soils (with large pouring cylinder)
GEOSPEC 3: 2001 Test 11.4	Relative compaction of fill material
GEOSPEC 3: 2017 Test 11.4	Relative compaction of fill material
GEOSPEC 3: 2001 Test 5.1	Moisture content by oven-drying at 45 °C ± 5 °C
GEOSPEC 3: 2017 Test 5.1	Moisture content by oven-drying at 45 °C ± 5 °C
GEOSPEC 3: 2001 Test 5.2	Moisture content by oven-drying at 105 °C ± 5 °C
GEOSPEC 3: 2017 Test 5.2	Moisture content by oven-drying at 105 °C ± 5 °C
GEOSPEC 3: 2001 Test 5.3	Comparative test for the determination of moisture content by oven drying
GEOSPEC 3: 2017 Test 5.3	Comparative test for the determination of moisture content by oven drying
GEOSPEC 3: 2001 Test 10.1	Dry density/moisture content relationship of soils containing particles which are not susceptible to crushing (using a 1000 cc mould and 2.5 kg rammer)
GEOSPEC 3: 2017 Test 10.1	Dry density/moisture content relationship of soils containing particles which are not susceptible to crushing (using a 1000 cc mould and 2.5 kg rammer)
GEOSPEC 3: 2001 Test 10.2	Dry density/moisture content relationship of soils containing particles which are susceptible to crushing (using a 1000 cc mould and 2.5 kg rammer)
GEOSPEC 3: 2017 Test 10.2	Dry density/moisture content relationship of soils containing particles which are susceptible to crushing (using a 1000 cc mould and 2.5 kg rammer)
GEOSPEC 3: 2001 Test 10.3	Dry density/moisture content relationship of soils containing particles which are not susceptible to crushing (using a CBR mould and 2.5 kg rammer)
GEOSPEC 3: 2017 Test 10.3	Dry density/moisture content relationship of soils containing particles which are not susceptible to crushing (using a CBR mould and 2.5 kg rammer)
GEOSPEC 3: 2001 Test 10.4	Dry density/moisture content relationship of soils containing particles which are susceptible to crushing (using a CBR mould and 2.5 kg rammer)



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GEOSPEC 3: 2017 Test 10.4	Dry density/moisture content relationship of soils containing particles which are susceptible to crushing (using a CBR mould and 2.5 kg rammer)
GEOSPEC 3: 2001 Test 10.5	Dry density/moisture content relationship of soils containing particles which are not susceptible to crushing (using 1000 cc mould and 4.5 kg rammer)
GEOSPEC 3: 2017 Test 10.5	Dry density/moisture content relationship of soils containing particles which are not susceptible to crushing (using 1000 cc mould and 4.5 kg rammer)
GEOSPEC 3: 2001 Test 10.6	Dry density/moisture content relationship of soils containing particles which are susceptible to crushing (using 1000 cc mould and 4.5 kg rammer)
GEOSPEC 3: 2017 Test 10.6	Dry density/moisture content relationship of soils containing particles which are susceptible to crushing (using 1000 cc mould and 4.5 kg rammer)
GEOSPEC 3: 2001 Test 10.7	Dry density/moisture content relationship of soils containing particles which are not susceptible to crushing (using CBR mould and 4.5 kg rammer)
GEOSPEC 3: 2017 Test 10.7	Dry density/moisture content relationship of soils containing particles which are not susceptible to crushing (using CBR mould and 4.5 kg rammer)
GEOSPEC 3: 2001 Test 10.8	Dry density/moisture content relationship of soils containing particles which are susceptible to crushing (using CBR mould and 4.5 kg rammer)
GEOSPEC 3: 2017 Test 10.8	Dry density/moisture content relationship of soils containing particles which are susceptible to crushing (using CBR mould and 4.5 kg rammer)
<b>Structural fixings</b>	
BS 5080: Part 1: 1993 Cl. 6, 7.1.1 & 7.1.3 with modifications (by incremental method)	Tensile proof load test of structural fixing in the force range 1 kN - 450 kN
Building Department PNAP APP-169 (Oct 2023) App. A	Tensile proof load test of drilled-in anchors used for cantilevered structure/hanger/curtain wall remedial works by incremental loading in the force range 1 kN - 1000 kN
Building Department PNAP APP-169 (Oct 2023) App. B	Tensile proof load test of drilled-in anchors used for works other than cantilevered structure/hanger/curtain wall remedial works in the force range 1 kN - 1000 kN
Building Department PNAP APP-169 (Oct 2023) App. C	Tensile proof load test for cementitious or polymer based grout bolts or dowels or reinforcing bars works or/and steel T-bolts with cast-in channels used for curtain wall/cladding works in the force range 1 kN - 1000 kN
Building Department PNAP APP-169 (Oct 2023) App. A	Shear proof load test of drilled-in anchors used for cantilevered structure/hanger/curtain wall remedial works by incremental loading in the force range 1 kN - 200 kN
Building Department PNAP APP-169 (Oct 2023) App. B	Shear proof load test of drilled-in anchors used for works other than cantilevered structure/hanger/curtain wall remedial works in the force range 1 kN - 200 kN



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Building Department PNAP APP-169 (Oct 2023) App. C	Shear proof load test of cementitious or polymer based grouted bolts used for curtain wall/cladding works in the force range 1 kN - 200 kN
<b>Welds (destructive)</b>	
BS 5400-6: 1999 Cl. 5.5.4(b)	BS 5400-6: 1999 Cl. 5.5.4(b)
BS EN ISO 14555: 2017 Cl. 11.2, 11.3 (excluding Torque wrench method), 12.2 & 12.3	BS EN ISO 14555: 2017 Cl. 11.2, 11.3 (excluding Torque wrench method), 12.2 & 12.3
Building Department Code of Practice for the Structural Use of Steel (2011) Cl. 14.3.7.3	Building Department Code of Practice for the Structural Use of Steel (2011) Cl. 14.3.7.3
<b>Welds (non-destructive)</b>	
BS EN 970: 1997	Visual examination of Welds
BS EN 1290: 1998 + A1: 2002 + A2: 2003	Magnetic particle test - Magnetic flow method, colour contrast method, using permanent magnets and A.C. yokes
BS EN 1714: 1998 (Amd. 10286) (Level A, B & C)	Ultrasonic test - Butt welds in plates & pipes, 'T'-joint welds, nozzle welds and node welds
BS EN ISO 9934-1: 2016	Magnetic particle test - Magnetic flow method colour contrast technique, using permanent magnets and A.C. yokes
BS EN ISO 17637: 2016	Visual examination of Welds
BS EN ISO 17638: 2016	Magnetic particle test - Magnetic flow method, colour contrast technique, using permanent magnets and A.C. yokes
BS EN ISO 17640: 2018 (Level A, B & C)	Ultrasonic test - Butt welds in plates & pipes, 'T'-joint welds, nozzle welds and node welds