



# 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 November 14, 2022



A handwritten signature in black ink, reading "Raj Nathan".

**President**

# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | [www.iasonline.org](http://www.iasonline.org)

## 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 November 14, 2022*

<b>Adhesive</b>	
Hong Kong Housing Authority Specification Library (2014) Cl. FIN5.150.A (3)	Pull off test of tiles
<b>Coating</b>	
ASTM A775/A775M-17 Cl. 8.1	Coating thickness
<b>Concrete</b>	
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>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)
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)

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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)
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)

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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	Tensile proof load test of structural fixing in the force range 1 kN - 450 kN Cl. 6, 7.1.1 & 7.1.3 with modifications (by incremental method)
<b>Welds (non-destructive)</b>	
BS EN 970: 1997	Visual examination of Welds
BS EN 1290: 1998 + A1: 2002 + A2: 2003	Magnetic flow method colour contrast technique, using permanent magnets and A.C. yokes
BS EN 1714: 1998 (Amd. 10286)	Ultrasonic testing - Butt welds in plates & pipes, 'T'-joint welds, nozzle welds and node welds
BS EN ISO 9934-1: 2016	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 flow method colour contrast technique, using permanent magnets and A.C. yokes
BS EN ISO 17640: 2018	Ultrasonic testing - Butt welds in plates & pipes, 'T'-joint welds, nozzle welds and node welds