



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 4, 2023



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

President

Visit www.iasonline.org for current accreditation information.

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

THE LAB (ASIA) LIMITED

www.thelab.asia

Contact Name Simon YAN

Contact Phone +852-24702588

Accredited to ISO/IEC 17025:2017

Effective Date December 4, 2023

Adhesive	
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)	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
Coating	
ASTM A775/A775M-17 Cl. 8.1	Coating thickness
Concrete	
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

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	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
Grout	
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
Soil	
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)
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)

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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)
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)
Structural fixings	
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
In-house Method OT-TM-007	Tensile proof load test of structural fixing in the force range 1 kN - 450 kN

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Welds (non-destructive)	
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