

Annex III

List of tests for which accreditation has been terminated

(Notification Letter No. HOKLAS022-269; Effective date of termination: 1 March 2025)

ETS-Testconsult Limited

東業德勤測試顧問有限公司

8/F, Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fo Tan, New Territories, Hong Kong

香港新界火炭坳背灣街 34-36 號豐盛工業中心 B 座 8 樓

Construction Materials 建築材料		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY MEASURED 特定測試或量度的特性	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED 規範、標準方法或應用技術
The accreditation of the following tests has been terminated		
Foundation	Borehole video inspection test	Hong Kong Housing Authority Specification (2022/2024) for non-destructive testing for piles Cl. D8 and D10
	Compression static loading tests on pile (SLT)	Hong Kong Housing Authority Materials Testing Services (2023/2025) for non-destructive testing for piles Cl. D7 & D10 (c)(viii)
	Crosshole sonic logging test (SOLT)	ASTM D6760-02
	Pile dynamic test (PDA)	ASTM D4945-00
	Pile integrity test (PIT)	ASTM D5882-00
	Single-hole sonic logging test (SOLT)	In-house method TPN/001
	Ultrasonic echo sounder test (UEST)	In-house method TPN/009

Annex III

List of tests for which accreditation has been terminated

(Notification Letter No. HOKLAS022-269; Effective date of termination: 1 March 2025)

ETS-Testconsult Limited

東業德勤測試顧問有限公司

8/F, Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fo Tan, New Territories, Hong Kong

香港新界火炭坳背灣街 34-36 號豐盛工業中心 B 座 8 樓

Construction Materials 建築材料		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY MEASURED 特定測試或量度的特性	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED 規範、標準方法或應用技術
The accreditation of the following tests has been terminated		
Welds (non-destructive)	Liquid penetrant test (Colour contrast method)	EN 25817: 1992, ISO 5817: 1992 EN ISO 5817: 2003, ISO 5817: 2003 EN ISO 5817: 2007 EN ISO 5817: 2014, ISO 5817: 2014
	Magnetic particle test (Magnetic flow method colour contrast technique using permanent magnets, D.C. and A.C. yokes)	EN 25817: 1992, ISO 5817: 1992 EN ISO 5817: 2003, ISO 5817: 2003 EN ISO 5817: 2007 EN ISO 5817: 2014, ISO 5817: 2014
	Radiographic examination (X-ray and gamma ray)	EN 25817: 1992, ISO 5817: 1992 EN ISO 5817: 2003, ISO 5817: 2003 EN ISO 5817: 2007 EN ISO 5817: 2014, ISO 5817: 2014
	Ultrasonic test (Butt welds in plates & pipes, 'T' joint welds, nozzle welds and node welds)	EN 25817: 1992, ISO 5817: 1992 EN ISO 5817: 2003, ISO 5817: 2003 EN ISO 5817: 2007 EN ISO 5817: 2014, ISO 5817: 2014
	Visual examination	EN 25817: 1992, ISO 5817: 1992 EN ISO 5817: 2003, ISO 5817: 2003 EN ISO 5817: 2007 EN ISO 5817: 2014, ISO 5817: 2014

Annex III

List of tests for which accreditation has been terminated

(Notification Letter No. HOKLAS022-268; Effective date of termination: 1 November 2024)

ETS-Testconsult Limited

東業德勤測試顧問有限公司

8/F, Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fo Tan, New Territories, Hong Kong

香港新界火炭坳背灣街 34-36 號豐盛工業中心 B 座 8 樓

Construction Materials 建築材料		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY MEASURED 特定測試或量度的特性	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED 規範、標準方法或應用技術
The accreditation of the following tests has been terminated		
Concrete	Obtaining drilling powder samples	Hong Kong Housing Authority Materials Testing Services (2000/2002) for Maintenance & Building Materials Specification Part D Cl. 6.4
	Removal of concrete cover to expose reinforcement	Hong Kong Housing Authority Materials Testing Services (2000/2002) for Construction Materials (Package A) Specification Cl. 4.2.1
Concrete (diagnostic)	Carbonation test	Hong Kong Housing Authority Materials Testing Services (2000/2002) for Maintenance & Building Materials Specification Part D Cl. 4.3.1 Method 1
	Covermeter survey	Hong Kong Housing Authority Materials Testing Services (2000/2002) for Maintenance & Building Materials Specification Part D Cl. 4.3.2 Method 1 & Method 2
	Half-cell potential measurement	Hong Kong Housing Authority Materials Testing Services (2000/2002) for Maintenance & Building Materials Specification Part D Cl. 4.3.4
	Ultrasonic pulse velocity measurement	Hong Kong Housing Authority Materials Testing Services (2000/2002) for Maintenance & Building Materials Specification Part D Cl. 4.1.2
Foundation	Compression static loading tests on piles (SLT)	Architectural Services Department General Specification for Building (1993) Section 5.28 BS 8004: 1986 Cl. 7.5.5 Buildings Department PNAP 66 (Nov 1997) Cl. 10 General Specification for Civil Engineering Works (1992) Vol. 1 App. 8.1 Hong Kong Housing Authority Specification Library (2000) Cl. PIL 1.T660.3 to PIL 1.T.690.3 Cl. PIL 1.T810.3 to PIL 1.T870.3 Cl. PIL 1.T1010.3 to PIL 1.T1020.3 Hong Kong Housing Authority Materials Testing Services (2002/2004) for non-destructive testing for piles Cl. D7 and D9 (c) (viii)

Annex III

List of tests for which accreditation has been terminated

(Notification Letter No. HOKLAS022-268; Effective date of termination: 1 November 2024)

ETS-Testconsult Limited

東業德勤測試顧問有限公司

8/F, Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fo Tan, New Territories, Hong Kong

香港新界火炭坳背灣街 34-36 號豐盛工業中心 B 座 8 樓

Construction Materials 建築材料		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY MEASURED 特定測試或量度的特性	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED 規範、標準方法或應用技術
The accreditation of the following tests has been terminated		
Repair mortar	Pull-off test of mortar	Hong Kong Housing Authority Materials Testing Services (1995) Cl. B1.15 Method 1
	Repair mortar core inspection	Hong Kong Housing Authority Materials Testing Services (2000/2002) for Maintenance and Building Materials Specification Part D Cl. 2.1.22
Soil (Phase I)	Relative compaction of fill material	Buildings Department PNAP 55 (1994) Cl. 2 App. A
Soil (other)	Pull-out test of soil nails	Hong Kong Housing Authority Specification Library (2000) Cl. SLO.T310.3 to SLO.T350.3
Structural fixings	Tensile proof load test of anchor bolts, dowel bars & channel inserts in the force range 1 kN to 1000 kN	In-house method TPF 003
Welds (non-destructive)	Ultrasonic thickness measurement	In-house method TPN/004/S

Annex III

List of tests for which accreditation has been terminated

(Notification Letter No. HOKLAS022-268; Effective date of termination: 1 November 2024)

ETS-Testconsult Limited

東業德勤測試顧問有限公司

G/F, 1B & Workshop, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fo Tan, New Territories, Hong Kong

香港新界火炭坳背灣街 34-36 號豐盛工業中心 B 座地下

Construction Materials 建築材料		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY MEASURED 特定測試或量度的特性	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED 規範、標準方法或應用技術
The accreditation of the following tests has been terminated		
Metallic materials	Bond property of steel reinforcing bars by surface geometry measurement	CS2: 2012 + Amd. 1/2018 + Amd. 2/2018 Cl. 1.7.2, 6.1 & 6.7 excluding 6.7.3
	Mass per meter of steel reinforcing bars	CS2: 2012 Cl. 1.4, 6.1 & 6.2
	Rebend test of reinforcing bars, wire rods, welded fabrics or cold reduced wires for reinforcement of concrete	CS2: 2012 Cl. 1.6.3, 6.1 & 6.5
	Tensile test & slip/permanent elongation test of mechanical couplers for reinforcing bar in the force range 5 kN – 2000 kN	In-house method TPM/056 in conjunction with the following specification(s): General Specification for Civil Engineering Works (1992) Vol. 2 Cl. 15.33
	Tensile test of reinforcing bars, wire rods, welded fabrics or cold reduced wires for reinforcement of concrete in the force range 5 kN - 2000 kN	in conjunction with the following specification(s): CS2: 2012 Cl. 1.6.2, 6.1 & 6.4

Annex III

List of tests for which accreditation has been terminated

(Notification Letter No. HOKLAS022-268; Effective date of termination: 1 November 2024)

ETS-Testconsult Limited

東業德勤測試顧問有限公司

DD129 Lot 2176-A Deep Bay Road, Lau Fau Shan, Yuen Long, New Territories, Hong Kong

香港新界元朗流浮山深灣路 129 區 2176-A 地段

Construction Materials 建築材料		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY MEASURED 特定測試或量度的特性	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED 規範、標準方法或應用技術
The accreditation of the following tests has been terminated		
Aggregates	Compacting fraction value of aggregates for granular bed	General Specification for Civil Engineering Works, (1992) Vol. 1 App. 5.2 Hong Kong Housing Authority Specification Library (2008) Cl. DRA 2.T250.5 – DRA 2.T280.5 Hong Kong Housing Authority Specification Library (2012) Cl. DRA2.T250.6 – DRA 2.T280.6
Grout	Bleeding and free expansion	General Specification for Civil Engineering Works (1992) Cl. 7.129 and Cl. 17.60 Hong Kong Housing Authority Specification Library (2004) Section PIL.1.T320.4, Section PSC. T720.4 and Section GRO. T110.4 Hong Kong Housing Authority Specification Library (2008) Section PIL.1.T320.5, Section PSC. T720.5
Repair mortar	Compressive strength of test cubes in the force range of 50 kN - 2000 kN	Hong Kong Housing Authority Materials Testing Services (2000/2002) for Maintenance and Building Materials Specification Part D Cl. 2.1.1

Annex III

List of test for which accreditation has been terminated

(Notification Letter No. HOKLAS022-267; Effective date of termination: 4 October 2024)

ETS-Testconsult Limited

東業德勤測試顧問有限公司

8/F, Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fo Tan, New Territories, Hong Kong

香港新界火炭坳背灣街 34-36 號豐盛工業中心 B 座 8 樓

Calibration Services 校正服務		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY MEASURED 特定測試或量度的特性	CALIBRATION AND MEASUREMENT CAPABILITY (CMC)* 校準和測量能力*
The accreditation of the following calibration has been terminated		
Mass and related measurements - Pressure measurements - Pressure gauge, pressure transducer and pressure recorder	On-site calibration for hydraulic pressure in accordance with in-house method CQS/001/P using dead-weight tester with oil as pressure medium over the following ranges : 600 kPa to 6000 kPa above 6000 kPa to 20000 kPa above 20000 kPa to 60000 kPa above 60000 kPa to 100000 kPa	5 kPa to 14 kPa 23 kPa to 48 kPa 48 kPa to 140 kPa 140 kPa to 230 kPa

® Unless otherwise specified, accredited activities are conducted at the laboratory.

* The calibration uncertainty of a device under test, which is usually reported at 95% confidence level, depends on both the CMC of the laboratory and the performance of the device during calibration.

Annex II

List of test for which accreditation has been terminated

(Notification Letter No. HOKLAS022-264; Effective date of termination: 18 July 2024)

ETS-Testconsult Limited

東業德勤測試顧問有限公司

8/F, Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fo Tan, New Territories, Hong Kong

香港新界火炭坳背灣街 34-36 號豐盛工業中心 B 座 8 樓

Construction Materials 建築材料		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY MEASURED 特定測試或量度的特性	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED 規範、標準方法或應用技術
The accreditation of the following test has been terminated		
Structural fixings	Tightening torque test of anchor bolt in the torque range 50 Nm – 1000 Nm	In-house method TPF/021

Annex II

List of test for which accreditation has been terminated

(Notification Letter No. HOKLAS022-264; Effective date of termination: 18 July 2024)

ETS-Testconsult Limited

東業德勤測試顧問有限公司

DD129 Lot 2176-A Deep Bay Road, Lau Fau Shan, Yuen Long, New Territories, Hong Kong

香港新界元朗流浮山深灣路 129 區 2176-A 地段

Construction Materials 建築材料		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY MEASURED 特定測試或量度的特性	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED 規範、標準方法或應用技術
The accreditation of the following tests has been terminated		
Blocks & bricks	Compressive strength of interlocking blocks in the force range 50 kN – 3000 kN	General Specification for Civil Engineering Work (1992) App. 11.1
Pulverized fuel ash	Fineness	BS 3892: Part 1: 1982 App. D
	Moisture content	BS 3892: Part 1: 1982 App. B
	Water requirement	BS 3892: Part 1: 1982 App. E

Annex II

List of test for which accreditation has been terminated

(Notification Letter No. HOKLAS022-263; Effective date of termination: 20 May 2024)

ETS-Testconsult Limited

東業德勤測試顧問有限公司

8/F, Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fo Tan, New Territories, Hong Kong

香港新界火炭坳背灣街 34-36 號豐盛工業中心 B 座 8 樓

Environmental Testing 環境測試		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY MEASURED 特定測試或量度的特性	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED 規範、標準方法或應用技術
The accreditation of the following test(s) has been terminated		
Drinking water and Surface water	- Detection of <i>Vibrio cholerae</i> (including Serogroups O1 and O139)	United States Environmental Protection Agency – Standard Analytical Protocol for <i>Vibrio cholerae</i> O1 and O139 in Drinking Water and Surface Water <Excluding the following> Cl. 10.2
Marine water	Microbiological tests :- - Detection of <i>Vibrio cholerae</i> (including Serogroups O1 and O139)	United States Environmental Protection Agency – Standard Analytical Protocol for <i>Vibrio cholerae</i> O1 and O139 in Drinking Water and Surface Water <Excluding the following> Cl. 10.2

Annex II

List of tests for which accreditation has been terminated

(Notification Letter No. HOKLAS022-261; Effective date of termination: 2 January 2024)

ETS-Testconsult Limited

東業德勤測試顧問有限公司

8/F, Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fo Tan, New Territories, Hong Kong

香港新界火炭坳背灣街 34-36 號豐盛工業中心 B 座 8 樓

Construction Materials 建築材料		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY MEASURED 特定測試或量度的特性	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED 規範、標準方法或應用技術
Accreditation of the following tests has been terminated		
Welds (non-destructive)	Liquid penetrant test (Colour contrast method)	BS 4870: Part 1: 1981 Table 5 BS 4871: Part 1: 1982 Table 3 BS 4872: Part 1: 1982 Section 3 BS EN ISO 15614-1: 2004 + A1: 2008 + A2: 2012 Cl. 7.5 BS EN ISO 15614-1: 2017 + A1: 2019 Cl. 7.5
	Magnetic particle test (Magnetic flow method colour contrast technique using permanent magnets, D.C. and A.C. yokes)	BS 4870: Part 1: 1981 Table 5 BS 4871: Part 1: 1982 Table 3 BS 4872: Part 1: 1982 Section 3 BS EN ISO 15614-1: 2004 + A1: 2008 + A2: 2012 Cl. 7.5 BS EN ISO 15614-1: 2017 + A1: 2019 Cl. 7.5
	Radiographic examination (X-ray and gamma ray)	BS 4870: Part 1: 1981 Table 5 BS 4871: Part 1: 1982 Table 3 BS 4872: Part 1: 1982 Section 3 BS EN ISO 15614-1: 2004 + A1: 2008 + A2: 2012 Cl. 7.5 BS EN ISO 15614-1: 2017 + A1: 2019 Cl. 7.5
	Ultrasonic test (Butt welds in plates & pipes, 'T' joint welds, nozzle welds and node welds)	BS 4870: Part 1: 1981 Table 5 BS 4871: Part 1: 1982 Table 3 BS 4872: Part 1: 1982 Section 3 BS EN ISO 15614-1: 2004 + A1: 2008 + A2: 2012 Cl. 7.5 BS EN ISO 15614-1: 2017 + A1: 2019 Cl. 7.5
	Visual examination	BS 4870: Part 1: 1981 Table 5 BS 4871: Part 1: 1982 Table 3 BS 4872: Part 1: 1982 Section 3 BS EN ISO 15614-1: 2004 + A1: 2008 + A2: 2012 Cl. 7.5 BS EN ISO 15614-1: 2017 + A1: 2019 Cl. 7.5

Annex III

List of tests for which accreditation has been terminated

(Notification Letter No. HOKLAS022-253; Effective date of termination: 30 August 2022)

ETS-Testconsult Limited

東業德勤測試顧問有限公司

8/F, Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fo Tan, New Territories, Hong Kong

香港新界火炭坳背灣街 34-36 號豐盛工業中心 B 座 8 樓

Calibration Services 校正服務		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY MEASURED® 特定測試或量度的特性®	CALIBRATION AND MEASUREMENT CAPABILITY (CMC)* 校準和測量能力*
The accreditation of the following calibration has been terminated		
Construction materials testing equipment - Cement grout flow cone	Verification in accordance with in-house method CQS/002/Z for the performance as specified in ASTM C939-97 Cl. 8 Time of efflux of water from cone: 8.0 s	0.06 s

® Unless otherwise specified, accredited activities are conducted at the laboratory.

* The calibration uncertainty of a device under test, which is usually reported at 95% confidence level, depends on both the CMC of the laboratory and the performance of the device during calibration.

Annex II

List of tests for which accreditation has been terminated

(Notification Letter No. HOKLAS022-252; Effective date of termination: 28 June 2022)

ETS-Testconsult Limited

東業德勤測試顧問有限公司

8/F, Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fo Tan, New Territories, Hong Kong

香港新界火炭坳背灣街 34-36 號豐盛工業中心 B 座 8 樓

Construction Materials 建築材料		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY MEASURED 特定測試或量度的特性	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED 規範、標準方法或應用技術
The accreditation of the following tests has been terminated		
Concrete	Obtaining core samples	CS1: 1990 Section 15
Dimension stones	Strength of individual stone anchorages	ASTM C1354-96 (2004) Cl. 9.0
Structural fixings	Proof load test of spiders in the force range 1 kN - 1000 kN	In-house method TPF/020 in conjunction with the following specification(s): Buildings Department Code of Practice for the Structural Use of Steel (2005) Cl. 16.2.1
	Tensile proof load test of anchor bolts in the force range 1 kN – 15 kN	In-house method TPF/003

Annex II

List of tests for which accreditation has been terminated

(Notification Letter No. HOKLAS022-252; Effective date of termination: 28 June 2022)

ETS-Testconsult Limited

東業德勤測試顧問有限公司

DD129 Lot 2176-A Deep Bay Road, Lau Fau Shan, Yuen Long, New Territories, Hong Kong

香港新界元朗流浮山深灣路 129 區 2176-A 地段

Construction Materials 建築材料		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY MEASURED 特定測試或量度的特性	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED 規範、標準方法或應用技術
The accreditation of the following tests has been terminated		
Concrete	Curing of test specimens	CS1: 1990 + Amd. 1101 Section 10
	Compressive strength of concrete cubes in the force range 50 kN - 3000 kN	CS1: 1990 + Amd. 1201 & 1202 Section 12
	Mixing and sampling of fresh concrete in the laboratory	CS 1: 1990 + Amd. 1101 Section 11
	Slump	CS 1: 1990 + Amd. 1101 Section 2
	Compacting factor	CS 1: 1990 + Amd. 1101 Section 3
	Flow table test	CS 1: 1990 + Amd. 1206 Section 22
	Density of compacted fresh concrete	CS 1: 1990 + Amd. 1101 Section 5
	Making test cubes from fresh concrete	CS 1: 1990 + Amd. 1101 Section 7
	Making test cylinders from fresh concrete	CS 1: 1990 + Amd. 1101 Section 9
	Density of hardened concrete	CS 1: 1990 + Amd. 1201 Section 16
	Compressive strength of concrete cores in the force range 50 kN - 3000 kN	CS 1: 1990 + Amd. 1201 & 1202 Section 15
	Setting time monitoring of fresh concrete	Hong Kong Housing Authority Materials Testing Services (2000/2002) for Construction Materials Specification Part D Cl. 1.3.9
	Assessment of the cement, aggregate and water content of fresh concrete (Buoyancy method)	DD83: 1983 Section 2 & 3
Measurement of rate of absorption of water by hydraulic cement concrete (Water Sorptivity Test)	In-house method TPM/031/O	
Sampling fresh concrete on site	CS 1: 1990 + Amd. 1101 Section 1	
Grout	Compressive strength of grout cubes in the force range 50 kN - 3000 kN	CS 1: 1990 + Amd. 1201, 1202 & 1203 Section 12

Annex II

List of tests for which accreditation has been terminated

(Notification Letter No. HOKLAS022-251; Effective date of termination: 6 June 2022)

ETS-Testconsult Limited

東業德勤測試顧問有限公司

8/F, Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fo Tan, New Territories, Hong Kong

香港新界火炭坳背灣街 34-36 號豐盛工業中心 B 座 8 樓

Calibration Services 校正服務		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY MEASURED [@] 特定測試或量度的特性 [@]	CALIBRATION AND MEASUREMENT CAPABILITY (CMC)* 校準和測量能力*
The accreditation of the following calibrations has been terminated		
Construction materials testing equipment		
- Compacting bar	Verification of following parameters in accordance with in-house method CQS/009/Z for requirements in CS1: 1990: Vol. 1 App. A9 - dimension of ramming face - length - mass	0.04 mm 0.3 mm 0.05 kg
- Cube mould	Verification of following parameters in accordance with in-house method CQS/008/Z for requirements in CS1: 1990: Vol. 1 App. A21 - dimension - flatness - perpendicularity - parallelism On-site verification of following parameters in accordance with in-house method CQS/008/Z for requirements in CS1: 1990: Vol. 1 App. A21 - dimension - flatness - perpendicularity - parallelism	0.05 mm 0.02 mm 0.02 mm 0.05 mm 0.05 mm 0.02 mm 0.02 mm 0.05 mm
- Curing tank	On-site verification of following parameters in accordance with in-house method CQS/003/Z for requirements in CS1: 1990: Vol. 1 App. A24 - Temperature distribution - Efficiency of circulation	0.6 K 0.1 min

[@] Unless otherwise specified, accredited activities are conducted at the laboratory.

* The calibration uncertainty of a device under test, which is usually reported at 95% confidence level, depends on both the CMC of the laboratory and the performance of the device during calibration.

Annex II

List of tests for which accreditation has been terminated

(Notification Letter No. HOKLAS022-251; Effective date of termination: 6 June 2022)

ETS-Testconsult Limited

東業德勤測試顧問有限公司

8/F, Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fo Tan, New Territories, Hong Kong

香港新界火炭坳背灣街 34-36 號豐盛工業中心 B 座 8 樓

Calibration Services 校正服務		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY MEASURED [@] 特定測試或量度的特性 [@]	CALIBRATION AND MEASUREMENT CAPABILITY (CMC)* 校準和測量能力*
The accreditation of the following calibrations has been terminated		
Construction materials testing equipment (cont'd)		
- Flow table for determination of flow of concrete	Verification of following parameters in accordance with in-house method CQS/036/Z for requirements in CS1: 1990 Vol. 2 App. E1 - plane dimensions - other essential dimensions - mass	0.27 mm 0.05 mm 2 g
- Metal mould for determination of flow of concrete	Verification of following parameters in accordance with in-house method CQS/043/Z for requirements in CS1: 1990 Vol. 2 App. E2 - internal diameter of base - internal diameter of top - height - wall thickness	0.05 mm 0.05 mm 0.02 mm 0.05 mm
- Slump cone	Verification of following parameters in accordance with in-house method CQS/006/Z for requirements in CS1:1990 Vol. 1 App. A4 - inside diameter of top - inside diameter of base - wall thickness - height	0.05 mm 0.06 mm 0.05 mm 0.02 mm
- Tamping bar for determination of flow of concrete	Verification of following parameters in accordance with in-house method CQS/044/Z for requirements in CS1: 1990 Vol. 2 App. E3 - length - square section of side	0.3 mm 0.05 mm

[@] Unless otherwise specified, accredited activities are conducted at the laboratory.

* The calibration uncertainty of a device under test, which is usually reported at 95% confidence level, depends on both the CMC of the laboratory and the performance of the device during calibration.

Annex II

List of tests for which accreditation has been terminated

(Notification Letter No. HOKLAS022-251; Effective date of termination: 6 June 2022)

ETS-Testconsult Limited

東業德勤測試顧問有限公司

8/F, Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fo Tan, New Territories, Hong Kong

香港新界火炭坳背灣街 34-36 號豐盛工業中心 B 座 8 樓

Calibration Services 校正服務		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY MEASURED [@] 特定測試或量度的特性 [@]	CALIBRATION AND MEASUREMENT CAPABILITY (CMC)* 校準和測量能力*
The accreditation of the following calibrations has been terminated		
Construction materials testing equipment (cont'd) - Tamping rod	Verification of following parameters in accordance with in-house method CQS/007/Z for requirements in CS1:1990 Vol. 1 App. A5 - diameter - length	0.05 mm 0.2 mm
Mass and related measurements - Force measurements - Force testing machines - Concrete testing machine	On-site calibration of compressive force using Class 1.0 load cells in accordance with CS 1 : 1990 : Vol. 2 App. D (constant true force method) over the following range : 0.2 kN to 3000 kN	0.16 % to 0.40 % of reading

[@] Unless otherwise specified, accredited activities are conducted at the laboratory.

^{*} The calibration uncertainty of a device under test, which is usually reported at 95% confidence level, depends on both the CMC of the laboratory and the performance of the device during calibration.

Annex III

List of tests for which accreditation has been terminated

(Notification Letter No. HOKLAS022-245; Effective date of termination: 5 February 2021)

ETS-Testconsult Limited

東業德勤測試顧問有限公司

8/F, Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fo Tan, New Territories, Hong Kong

香港新界火炭坳背灣街 34-36 號豐盛工業中心 B 座 8 樓

Construction Materials 建築材料		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY MEASURED 特定測試或量度的特性	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED 規範、標準方法或應用技術
The accreditation of the following tests has been terminated		
Coating	Pull-off test of spray fire-resistive coating material	ASTM E736-92 : Field test method with modification
Concrete (diagnostic)	Surface hardness measurement	BS 1881: Part 202: 1986 HKHA MTS (00/02) Specification Part D Cl. 4.1.1
	Infrared thermography for detection of building surface defects	ASTM D4788 – 03 (Reapproved 2007) < <i>Excluding the following</i> > Cl. 6.8, 6.9 and 6.10

Annex III

List of tests for which accreditation has been terminated

(Notification Letter No. HOKLAS022-245; Effective date of termination: 5 February 2021)

ETS-Testconsult Limited

東業德勤測試顧問有限公司

DD129 Lot 2176-A Deep Bay Road, Lau Fau Shan, Yuen Long, New Territories, Hong Kong

香港新界元朗流浮山深灣路 129 區 2176-A 地段

Construction Materials 建築材料		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY MEASURED 特定測試或量度的特性	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED 規範、標準方法或應用技術
The accreditation of the following tests has been terminated		
Cement	Sampling	BS EN 196-7: 1992
Concrete	Concrete's ability to resist chloride ion penetration	AASHTO T277-93
Grout	Flow of grout for preplaced-aggregate concrete (Flow cone method)	ASTM C939-87 (with modification) ASTM C939-94a (with modification) ASTM C939-97 (with modification) ASTM C939-02 (with modification)
Paving blocks	Skid resistance value of paving blocks	BS 6677: Part 1 1986 Appendix E BS 812: Part 3: 1975: Cl. 10.9

Annex III

List of activities for which accreditation has been terminated

(Notification Letter No. HOKLAS022-244; Effective date of termination: 5 February 2021)

ETS-Testconsult Limited

東業德勤測試顧問有限公司

8/F, Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fo Tan, New Territories, Hong Kong

香港新界火炭坳背灣街 34-36 號豐盛工業中心 B 座 8 樓

Construction Materials 建築材料		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY MEASURED 特定測試或量度的特性	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED 規範、標準方法或應用技術
Accreditation of the following tests has been terminated		
Pipes - Copper fittings	Stress corrosion	BS EN 1254-1:1998 Cl. 4.6.2 & 5.6 in conjunction with ISO 6957:1988(E) BS EN 1254-2:1998 Cl. 4.6.4 & 5.9 in conjunction with ISO 6957:1988(E)
	Carbon film test	BS EN 1254-1:1998 Cl. 5.4.1 & Annex A
- Copper pipes	Carbon film test	BS EN 1057:2006+A1:2010 Cl. 10.5 & Annex B

Annex III

List of activities for which accreditation has been terminated

(Notification Letter No. HOKLAS022-241; Effective date of termination: 1 April 2020)

ETS-Testconsult Limited

東業德勤測試顧問有限公司

8/F, Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fo Tan, New Territories, Hong Kong

香港新界火炭坳背灣街 34-36 號豐盛工業中心 B 座 8 樓

Construction Materials 建築材料		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY MEASURED 特定測試或量度的特性	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED 規範、標準方法或應用技術
Accreditation of the following tests has been terminated		
Steel (chemical analysis) - Carbon steel	Elemental composition: -	
	Carbon content	In-house Method TPC/001/M (Combustion gasometric)
	Sulphur content	In-house Method TPC/001/M (Combustion gasometric)
	Manganese content	In-house Method TPC/002/M (Flame AAS)
	Silicon content	In-house Method TPC/003/M (Gravimetric)
	Phosphorus content	In-house Method TPC/004/M (Alkalimetric)
	Niobium content	In-house Method TPC/005/M (Colorimetric)
	Vanadium content	In-house Method TPC/006/M (Flame AAS)
	Nickel content	In-house Method TPC/007/M (Gravimetric)
	Chromium content	In-house Method TPC/008/M (Oxidation-titration)
	Molybdenum content	In-house Method TPC/009/M (Flame AAS)
	Copper content	In-house Method TPC/010/M (Flame AAS)
	Stainless steel (chemical analysis)	Carbon content
Sulphur content		In-house Method TPC/011/M (Combustion titrimetric)
Chromium content		In-house Method TPC/016/M (Oxidation-titration)
Manganese content		In-house Method TPC/012/M (Flame AAS)
Molybdenum content		In-house Method TPC/017/M (Flame AAS)
Silicon content		In-house Method TPC/013/M (Gravimetric)
Phosphorus content		In-house Method TPC/014/M (Alkalimetric)
Nickel content	In-house Method TPC/015/M (Gravimetric)	

Annex III

List of activities for which accreditation has been terminated

(Notification Letter No. HOKLAS022-238; Effective date of termination: 25 September 2019)

ETS-Testconsult Limited

東業德勤測試顧問有限公司

8/F, Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fo Tan, New Territories, Hong Kong

香港新界火炭坳背灣街 34-36 號豐盛工業中心 B 座 8 樓

Construction Materials 建築材料		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY MEASURED 特定測試或量度的特性	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED 規範、標準方法或應用技術
Concrete (chemical analysis)	Oven dried bulk density	BS 1881 : Part 114 : 1983

Annex II

List of activities for which accreditation has been terminated

(Notification Letter No. HOKLAS022-236; Effective date of termination: 1 August 2019)

ETS-Testconsult Limited

東業德勤測試顧問有限公司

8/F, Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fo Tan, New Territories, Hong Kong

香港新界火炭坳背灣街 34-36 號豐盛工業中心 B 座 8 樓

Environmental Testing 環境測試

ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY MEASURED 特定測試或量度的特性	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED 規範、標準方法或應用技術
The accreditation of the following tests has been terminated		
Water and Wastewater	Trace Metals :- - Cadmium, Chromium, Copper, Iron, Lead, Nickel and Zinc (Dissolved and total) Non-Metallic Constituents :- - Nitrogen (Ammonia) - Nitrogen (Nitrate) - Nitrogen (Nitrite) - Nitrogen (Total Kjeldahl) - Phosphorus (Total) - Phosphorus (Dissolved Reactive) - Residual Chlorine (Free and Total)	In-house Method TPE / 014 / W (Flame AAS) In-house Method TPE / 016 / W (SFA) In-house Method TPE / 023 / W (SFA) In-house Method TPE / 022 / W (SFA) In-house Method TPE / 017 / W (SFA) In-house Method TPE / 019 / W (SFA) In-house Method TPE / 020 / W (SFA) APHA 19e 4500-Cl G (DPD Colorimetric)

Annex III

List of activities for which accreditation has been terminated

(Notification Letter No. HOKLAS022-232)

ETS-Testconsult Limited

東業德勤測試顧問有限公司

DD129 Lot 2176-A Deep Bay Road, Lau Fau Shan, Yuen Long, New Territories, Hong Kong

香港新界元朗流浮山深灣路 129 區 2176-A 地段

Effective date of termination: 3 May 2018

Construction Materials 建築材料		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY MEASURED 特定測試或量度的特性	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED 規範、標準方法或應用技術
The accreditation of the following tests has been terminated		
Cement	Compressive strength of concrete cubes in the force range 50 kN-2500 kN	BS 4550: Part 3: 1978 Section 3.4 (Amd. 4247, 4498 & 5704)
	Compressive strength of mortar cubes in the force range 50 kN-2500 kN	BS 4550: Part 3: 1978 Section 3.4 (Amd. 4247, 4498 & 5704)

Effective date of termination: 10 October 2018

Construction Materials 建築材料		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY MEASURED 特定測試或量度的特性	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED 規範、標準方法或應用技術
The accreditation of the following tests has been terminated		
Grout	Early-age change of height	ASTM C827-01a

Annex III

List of calibrations for which accreditation has been terminated

(Notification letter No.: HOKLAS022-229; Effective date of termination: 22 August 2018)

ETS-Testconsult Limited

東業德勤測試顧問有限公司

8/F, Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fo Tan, New Territories, Hong Kong
香港新界火炭坳背灣街 34-36 號豐盛工業中心 B 座 8 樓

Calibration Services 校正服務		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY MEASURED® 特定測試或量度的特性®	CALIBRATION AND MEASUREMENT CAPABILITY (CMC)* 校準和測量能力*
Accreditation of the following calibrations has been terminated		
<p>Construction materials testing equipment</p> <p>- Temperature bath</p>	<p>Calibration in accordance with in-house methods CQS/008/T over the following ranges :</p> <p>Temperature 10 °C to 70 °C above 70 °C to 180 °C</p> <p>Stability 10 °C to 180 °C</p> <p>Uniformity 10 °C to 180 °C</p> <p>On-site calibration in accordance with in-house methods CQS/008/T over the following ranges :</p> <p>Temperature 10 °C to 70 °C above 70 °C to 180 °C</p> <p>Stability 10 °C to 180 °C</p> <p>Uniformity 10 °C to 180 °C</p>	<p>0.064 K 0.099 K</p> <p>0.036 K</p> <p>0.045 K</p> <p>0.064 K 0.099 K</p> <p>0.036 K</p> <p>0.045 K</p>

@ UNLESS OTHERWISE SPECIFIED, ACCREDITED ACTIVITIES ARE CONDUCTED AT THE LABORATORY.

* THE CALIBRATION UNCERTAINTY OF A DEVICE UNDER TEST IS USUALLY REPORTED AT 95% CONFIDENCE LEVEL AND DEPENDS ON BOTH THE CMC OF THE LABORATORY AND THE PERFORMANCE OF THE DEVICE DURING CALIBRATION.

Annex III

List of calibrations for which accreditation has been terminated

(Notification letter No.: HOKLAS022-229; Effective date of termination: 22 August 2018)

ETS-Testconsult Limited

東業德勤測試顧問有限公司

8/F, Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fo Tan, New Territories, Hong Kong
香港新界火炭坳背灣街 34-36 號豐盛工業中心 B 座 8 樓

Calibration Services 校正服務		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY MEASURED[@] 特定測試或量度的特性 [@]	CALIBRATION AND MEASUREMENT CAPABILITY (CMC)* 校準和測量能力*
Accreditation of the following calibrations has been terminated		
Mass and related measurements - Hardness measurements - Hardness testing machine	On-site indirect verification in accordance with in-house method CQS/019/Z for measuring Vickers hardness scales over the following ranges : 212 HV 5 to 757 HV 5 210 HV 10 to 768 HV 10 218 HV 30 to 762 HV 30 On-site indirect verification in accordance with in-house method CQS/018/Z for measuring Vickers hardness scales over the following ranges : 212 HV 5 to 757 HV 5 210 HV 10 to 768 HV 10 218 HV 30 to 762 HV 30	2.3% HV 1.9% HV 1.3% HV 2.3% HV 1.9% HV 1.3% HV

[@] UNLESS OTHERWISE SPECIFIED, ACCREDITED ACTIVITIES ARE CONDUCTED AT THE LABORATORY.

* THE CALIBRATION UNCERTAINTY OF A DEVICE UNDER TEST IS USUALLY REPORTED AT 95% CONFIDENCE LEVEL AND DEPENDS ON BOTH THE CMC OF THE LABORATORY AND THE PERFORMANCE OF THE DEVICE DURING CALIBRATION.

Annex III

List of tests for which accreditation has been terminated

(Notification Letter No.: HOKLAS022-212; Effective date of termination: 11 May 2017)

ETS-Testconsult Limited

東業德勤測試顧問有限公司

8/F, Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fo Tan, New Territories, Hong Kong

香港新界火炭坳背灣街 34-36 號豐盛工業中心 B 座 8 樓

Construction Materials 建築材料		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY MEASURED 特定測試或量度的特性	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED 規範、標準方法或應用技術
The accreditation of the following tests has been terminated		
Concrete	Curing test specimens (Tropical zone temperature) Compressive strength of concrete cubes in the force range 50 kN - 3000 kN	BS 1881: Part 111: 1983 CS 1: 1990 Section 10 (Amd. 1101) CS 1: 2010 Section 10 BS 1881: Part 116: 1983 (Amd. 6097) CS 1: 1990 Section 12 (Amd. 1201 & 1202) CS 1: 2010 Section 12

Annex II

List of activities for which accreditation has been terminated

(Notification Letter No.: HOKLAS022-190; Effective date of termination: 6 November 2015)

ETS-Testconsult Limited

東業德勤測試顧問有限公司

Main Laboratory			
TEST CATEGORY 測試類別	ITEMS, MATERIALS OR PRODUCTS TESTED 測試項目、材料或產品	SPECIFIC TESTS OR PROPERTIES MEASURED 特定測試或量度的特性	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED 規範、標準方法或應用技術
CONSTRUCTION MATERIALS 建築材料	Cement	Density Fineness Sampling Setting times Soundness Standard consistence	BS 4550: Part 3: 1978 Section 3.2 BS 4550: Part 3: 1978 Section 3.3 (using the method in App. D of BS 4359: Part 2: 1982) (Amd. 5703) BS 4550: Part 1: 1978 BS 4550: Part 3: 1978 Section 3.6 (Amd. 5706) BS 4550: Part 3: 1978 Section 3.7 (Amd. 5707) BS 4550: Part 3: 1978 Section 3.5 (Amd. 5705)