



No. 018

University of Hong Kong - Civil Engineering Department Testing Laboratory
香港大學 - 土木工程系試驗室

ADDRESS : L/G Floor, Haking Wong Building, Pokfulam Road, Hong Kong
地址 : 香港薄扶林道香港大學黃克競樓地下

AUTHORISED REPRESENTATIVE : Professor CHEUNG Yau Kai, Professor of Civil Engineering
委任代表 : 張佑啟教授

ENQUIRY : Mr. LEE Kai Kwong, Peter
查詢 : 李啟光先生

Tel 電話 : 2859 1979
Fax 傳真 : 2559 5337
E-mail 電郵 : hreccyk@hkucc.hku.hk

CLIENTELE : Public
服務對象 : 公眾

ACCREDITED TEST CATEGORIES : Calibration Services 校正服務
認可測試類別 : Construction Materials 建築材料

SCOPE OF ACCREDITATION : As shown on the following pages 詳見後頁
認可範圍

* * * * *

University of Hong Kong - Civil Engineering Department Testing Laboratory
 香港大學 - 土木工程系試驗室

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	BEST MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (\pm)* 以不確定度表示最佳測量能力(\pm)*
CALIBRATION SERVICES 校正服務	Force testing machines	Universal testing machines in compression in accordance with BS 1610 : Part 1 : 1985 (AMD 6175) BS 1610 : Part 1 : 1992 Concrete testing machines in compression in accordance with BS 1610 : Part 1 : 1985 (AMD 6175) BS 1610 : Part 1 : 1992 Stability testing of compression testing machines in accordance with BS 1881 : Part 115 : 1986 (AMD 6536) CS 1 : 1990 appendix D	Grade 1.0 in the range 1 kN - 2000 kN, Grade 1.0 in the range 1 kN - 2000 kN,
	Extensometers	Extensometers in accordance with BS 3846 : 1970 (Use of calibrating rig)	Grade A for gauge lengths not less than 47 mm Grade B for gauge lengths not less than 21 mm Grade C for gauge lengths not less than 8 mm
	Dial gauges and transducers	Dial gauges and linear variable differential transducers in accordance with BS 907 : 1965 or AS 2103 : 1978 over the following ranges of measurement :- 0-25 mm 0-50 mm	3 μ m 6 μ m
	Mass:- - Electronic balances	Calibration of electronic balances over the following range:- up to 30 kg	Standard weights of OIML Class E2 from 1 mg to 1 kg and class F2 from 1 mg to 20 kg are used for calibration of weighting instruments. Measurement uncertainty depends on the quality, construction and performance of the balance under calibration.

* A REPORTED UNCERTAINTY WILL BE THAT FOR THE INSTRUMENT ITSELF DURING CALIBRATION PLUS THE APPROPRIATE MEASUREMENT CAPABILITY OF THE LABORATORY. THE UNCERTAINTIES ARE BASED ON AN ESTIMATED LEVEL OF CONFIDENCE OF 95%.

University of Hong Kong - Civil Engineering Department Testing Laboratory
香港大學 - 土木工程系試驗室

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	Concrete	Curing of test specimens (Tropical zone temperature)	CS 1 : 1990 Section 10 (AMD 1101)
		Density of hardened concrete	CS 1 : 1990 Section 16 (AMD 1201, 1202 & 1203)
		Compressive strength of cubes in the force range 100 kN - 2000 kN	CS 1 : 1990 Section 12 (AMD 1201, 1202 & 1203)
		Compressive strength of cores in the force range 100 kN - 2000 kN	CS 1 : 1990 Section 15 (AMD 1201, 1203 & 1205)
	Steel (reinforcing)	Tensile strength tests on carbon steel bars in the force range 5 kN - 2000 kN	CS2 : 1995 Buildings Department PNAP : 122 (March 96)
		Bend tests on carbon steel bars	CS2 : 1995 Buildings Department PNAP : 122 (March 1996)
		Rebend tests on carbon steel bars	CS2 : 1995 Buildings Department PNAP : 122 (March 1996)
	Steel (structural)	Tensile strength tests on weldable structural steel sections in the force range 5 kN - 2000 kN	BS 4360 : 1986 BS 4360 : 1990
		Bend tests on weldable structural steel sections	BS 4360 : 1986 BS 4360 : 1990