



財團法人全國認證基金會
Taiwan Accreditation Foundation

認 證 證 書

(證書編號：L4041-230110)

茲證明

財團法人國家實驗研究院
國家地震工程研究中心地震模擬實驗室

台北市大安區辛亥路三段 200 號

為本會認證之實驗室

認 證 依 據：ISO/IEC 17025：2017；CNS 17025：2018

認 證 編 號：4041

初 次 認 證 日 期：一百一十二年一月十日

認 證 有 效 期 間：一百一十二年一月十日 至 一百一十五年一月九日止

認 證 範 圍：土木工程測試領域，如續頁

董事長

連錦漳



掃描確認真偽

中華民國一一二年一月十日

認證編號：4041

實驗室主管：曾建創

■ 30.18 土木工程

消能元件

L629 消能元件性能試驗

內政部營建署建築物耐震設計規範及解說第 10.7 節

常溫空載時

全載最大荷重： ± 1800 kN

頻率： $(0.1 \text{ to } 5)$ Hz

位移： ± 600 mm (頻率 0.1 Hz), ± 15 mm (頻率 5 Hz)

報告簽署人:曾建創

■ 30.18 土木工程

大型土木工程結構與機械元件

L630 地震模擬測試

自訂方法：振動台地震模擬測試程序

(文件編號：NCREE-LCV-TQM-B-T01)

三軸向地震歷時模擬測試

頻率： $1 \text{ Hz to } 50 \text{ Hz}$

全載最大荷重： 40000 kgf

頻率對應頻譜加速度：

X 縱軸：

$1.3 \text{ Hz to } 10 \text{ Hz}$, 2.16 g (max)

$10 \text{ Hz} / 2.16 \text{ g (max)}$ to $33.3 \text{ Hz} / 0.9 \text{ g (max)}$

$33.3 \text{ Hz to } 50 \text{ Hz}$, 0.9 g (max)

Y 橫軸：

$1.3 \text{ Hz to } 10 \text{ Hz}$, 1.575 g (max)

$10 \text{ Hz} / 1.575 \text{ g (max)}$ to $33.3 \text{ Hz} / 0.787 \text{ g (max)}$

$33.3 \text{ Hz to } 50 \text{ Hz}$, 0.787 g (max)

Z 垂直向：

$1.3 \text{ Hz to } 10 \text{ Hz}$, 2.31 g (max)

$10 \text{ Hz} / 2.31 \text{ g (max)}$ to $33.3 \text{ Hz} / 0.945 \text{ g (max)}$

$33.3 \text{ Hz to } 50 \text{ Hz}$, 0.945 g (max)

報告簽署人:吳紀弘; 鄭橙標

(以下空白)





財團法人全國認證基金會
Taiwan Accreditation Foundation

Certification Accreditation

(Certificate No : L4041-230110)

This is to certify that

National Applied Research Laboratories
Seismic Simulator Laboratory, National Center for Research on
Earthquake Engineering

No. 200, Sec. 3, Xinhai Rd., Da'an Dist., Taipei City 106, Taiwan (R.O.C.)

is accredited in respect of laboratory

Accreditation Criteria : ISO/IEC 17025:2017 ; CNS 17025:2018

Accreditation Number : 4041

Originally Accredited : January 10, 2023

Effective Period : January 10, 2023 to January 09, 2026

Accredited Scope : Civil Engineering Testing Field, see described in the
Appendix



Scan to verify

Ching-Chang Lien

Ching-Chang Lien
President, Taiwan Accreditation Foundation
January 10, 2023

Accreditation Number : 4041

Laboratory Head : TSENG, Chien-Chuang

■ 30. 18 Civil Engineering

Damping Devices

L629 Performance Test of Damping Devices

CPAMI Seismic Design Code and Commentary for Buildings Section 10.7

Ambient temperature, unloading

Max. Full Load : ± 1800 kN

Frequency : (0.1 to 5) Hz

Displacement : ± 600 mm at 0.1 Hz, ± 15 mm at 5 Hz

Approval Signatory: TSENG, Chien-Chuang

■ 30. 18 Civil Engineering

Large-scale Civil Engineering Structure and Machine Devices

L630 Seismic Simulated Testing

In-House Method : The procedure of Earthquake Simulated Seismic vibration stations
(NCREE-LCV-TQM-B-T01)

Three-Axial Earthquake Time History Simulation Test

Frequency : 1 Hz to 50 Hz

Maximum Payload : 40000 kgf

Three-Axial Seismic Simulation Test

Frequencies for Spectral Accelerations :

Longitudinal X :

1.3 Hz to 10 Hz , 2.16 g (max)

10 Hz / 2.16 g (max) to 33.3 Hz / 0.9 g (max)

33.3 Hz to 50 Hz , 0.9 g (max)

Lateral Y :

1.3 Hz to 10 Hz , 1.575 g (max)

10 Hz / 1.575 g (max) to 33.3 Hz / 0.787 g (max)

33.3 Hz to 50 Hz , 0.787 g (max)

Vertical Z :

1.3 Hz to 10 Hz , 2.31 g (max)

10 Hz / 2.31 g (max) to 33.3 Hz / 0.945 g (max)

33.3 Hz to 50 Hz , 0.945 g (max)

Approval Signatory: WU, Chi-Hung; CHENG, Cheng-Piao

(Null below)

P2, total 2 pages

The Appendix forms an integral part of this Certificate, which shall be invalid when use without the Appendix

