



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

Certificate of Accreditation

(Certificate No : L3282-230407)

This is to certify that

Gong-Hung Technology Co., Ltd.

GCH Technology Calibration Laboratory(Hardness)

No.1 , Ln.36 , Wenfeng St. , Fengshan dist. , Kaohsiung City 830 ,Taiwan(R.O.C.)

is accredited in respect of laboratory

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

Accreditation Number : 3282

Originally Accredited : January 19, 2017

Effective Period : April 23, 2023 to April 22, 2026

Accredited Scope : Calibration Field, see described in the Appendix



Scan to verify

Ching-Chang Lien

Ching-Chang Lien
President, Taiwan Accreditation Foundation
April 07, 2023

Accreditation Number : 3282

Laboratory Head : HUNG, Chuan-Hsi

Mass/Force

calibration items	working standard	calibration method	measurand level or range				measurement conditions /independent variable	smallest uncertainty	
	brand /model	document name /no.	minimum value	units	maximum value	units	explanation	value	units
KC5001 Brinell Hardness Block	Brinell Hardness Block: SUN-TEC/ HBW video measurement system: Hexagon/Optiv Advance 862	Calibration Procedure for Brinell Hardness Block (Document No.: GCH-SCP-H05)	81.3	HBW	184	HBW	HBW (10 mm/1000 kgf (9807 N))	3.1	HBW
			146	HBW	243	HBW	HBW (10 mm/3000 kgf (29420 N))	4.1	HBW
			>243	HBW	401	HBW	HBW (10 mm/3000 kgf (29420 N))	6.5	HBW

Approval Signatory: HUNG, Chuan-Hsi

KC5001 Rockell Hardness Test Block	Rockell Hardness Standard Block ASAHI/HRC, HRBW	ASTM E18 Calibration Procedure for Rockell Hardness Test Block (Document No.: GCH-SCP-H01)	20	HRC	65	HRC		0.71	HRC
			50	HRBW	70	HRBW		1.6	HRBW
			>70	HRBW	100	HRBW		1.2	HRBW

Approval Signatory: HUNG, Chuan-Hsi



calibration items	working standard	calibration method	measurand level or range				measurement conditions /independent variable	smallest uncertainty	
	brand /model	document name /no.	minimum value	units	maximum value	units	explanation	value	units
KC5002 Brinell Hardness Tester (on-site calibration included)	Load Cell: PROTEST/PST-A Brinell Harbness Block: SUN-TEC /HBW video measurement system: Hexagon/Optiv Advance 862	Calibration Procedure for Brinell Hardness Tester (on-site calibration included) (Document No.: GCH-SCP-H06)	81.3	HBW	184	HBW	HBW (10 mm/1000 kgf (9807 N))	3.1	HBW
			146	HBW	243	HBW	HBW (10 mm/3000 kgf (29420 N))	4.1	HBW
			>243	HBW	401	HBW	HBW (10 mm/3000 kgf (29420 N))	6.5	HBW
			4904 (500)	N (kgf)	29420 (3000)	N (kgf)	Load	80 (8. 1)	N (kgf)
Approval Signatory: HUNG, Chuan-Hsi									
KC5002 Rockwell Hardness Tester (On-site Calibration Included)	Rockwell Hardness Standard Block: ASAHI, HB/HRA, HRB, HRC, HR30T, HR30N	Calibration Procedure for Rockwell Hardness Tester (On-site Calibration Included) (Document No.: GCH-SCP-H02)	64	HRA	84	HRA	Hardness	0.55	HRA
			51	HRBW	91	HRBW	Hardness	1.4	HRBW
			20	HRC	64	HRC	Hardness	0.56	HRC
			48	HR30N	81	HR30N	Hardness	1.0	HR30N
			48	HR30TW	75	HR30TW	Hardness	1.5	HR30TW
			29.4 (3)	N (kgf)	294 (30)	N (kgf)	Load	0.49 (0.05)	N (kgf)
			98 (10)	N (kgf)	1471 (150)	N (kgf)	Load	0.49 (0.05)	N (kgf)
Approval Signatory: HUNG, Chuan-Hsi									



calibration items	working standard	calibration method	measurand level or range				measurement conditions /independent variable	smallest uncertainty	
	brand /model	document name /no.	minimum value	units	maximum value	units	explanation	value	units
KC5002 Vicker hardness tester (on-site calibration included)	Rockwell Hardness Standard Block: HB/180HV0.3, EURO/400HV, EURO/700HV Electronic blance: Furi/FEJ-300D Reference scale standard: ---/1mm	Calibration Procedure for Vicker hardness tester (on-site calibration included) (Document No.: GCH-SCP-H03)	180	HV	388	HV	Hardness HV0.3	23	HV
			>388	HV	715	HV	Hardness HV0.3	39	HV
			0.98 (100)	N (gf)	9.8 (1000)	N (gf)	Load	0.006 (0.6)	N (gf)
			0.01	mm	0.09	mm	scale	0.23	µm
Approval Signatory: HUNG, Chuan-Hsi									
KC5099 Shore Durometer	JIHSENSE/LRM-5	Calibration Procedure for Shore Durometer (Document No.: GCH-SCP-H04)	0	HA	90	HA	by means of a dynamometric device (56 to 745) gf ((0.55 to 7.3) N)	1.1	HA
			0	HD	90	HD	by means of a dynamometric device (0 to 4084) gf ((0 to 40.05) N)	0.4	HD
Approval Signatory: HUNG, Chuan-Hsi									

Note: Smallest uncertainty represents an expanded uncertainty using a coverage factor approximately 95 % level of confidence.
(Null Below)

