



Certificate No. : L0583-210324

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

Certificate of Accreditation

This is to certify that

Chroma Ate Inc.

Physics Calibration Laboratory

No. 88, Wenmao Rd., Guishan Dist., Taoyuan City, Taiwan

is accredited in respect of laboratory

Accreditation Criteria : ISO/IEC 17025:2017 ; CNS 17025:2018
Accreditation Number : 0583
Originally Accredited : November 15, 1999
Effective Period : November 15, 2020 to November 14, 2023
Accredited Scope : Calibration Field, see described in the Appendix

Ching-Chang Lien

Ching-Chang Lien
President, Taiwan Accreditation Foundation
Date : March 24, 2021



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Laboratory Head : CHIANG, Ming-Yao

Length

calibration items	working standard	calibration method	measurand level or range				measurement conditions /independent variable	smallest uncertainty	
	brand /model	document name /no.	mini mum value	units	maxi mum value	units	explanation	value	units
KA2003 Digimatic Caliper	Caliper Calibrator Mitutoyo 515-555	Caliper Calibration Procedure (Document No.: E-04-22-037)	0	mm	300	mm	Outside Diameter (resolution: 0.01mm)	0.02	mm
			0	mm	300	mm	inside Diameter (resolution: 0.01mm)	0.02	mm

Approval Signatory: CHIANG, Ming-Yao; LEE, Wen-Yu

Mass/Force

calibration items	working standard	calibration method	measurand level or range				measurement conditions /independent variable	smallest uncertainty	
	brand /model	document name /no.	mini mum value	units	maxi mum value	units	explanation	value	units
KC4004 Torque Calibrator	1.Torque arm 100 mm & 250 mm 2.Dead weight 100 g to 20 kg	Torque Calibrator calibration procedure (Document No.: E-04-22-041)	0.49 (5)	N m (kgf cm)	9.81 (100)	N m (kgf cm)	CW	0.82	%
			2.45 (25)	N m (kgf cm)	24.5 (250)	N m (kgf cm)	CW	0.49	%
			0.49 (5)	N m (kgf cm)	9.81 (100)	N m (kgf cm)	CCW	0.82	%



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calibration items	working standard	calibration method	measurand level or range				measurement conditions /independent variable	smallest uncertainty	
	brand /model	document name /no.	mini mum value	units	maxi mum value	units	explanation	value	units
KC4004 Torque Calibrator	1.Torque arm 100 mm & 250 mm 2.Dead weight 100 g to 20 kg	Torque Calibrator calibration procedure (Document No.: E-04-22-041)	2.45 (25)	N m (kgf cm)	24.5 (250)	N m (kgf cm)	CCW	0.49	%
Approval Signatory: CHIANG, Ming-Yao									

Temperature/Humidity

calibration items	working standard	calibration method	measurand level or range				measurement conditions /independent variable	smallest uncertainty	
	brand /model	document name /no.	mini mum value	units	maxi mum value	units	explanation	value	units
KE1002 platinum resistance thermometer ASLF250 /T100	Resistance Thermometer	platinum resistance thermometer calibration procedure (Document No.: E-04-22-025)	0	°C	0	°C		0.21	°C
			50	°C	50	°C		0.12	°C
			100	°C	100	°C		0.15	°C
			150	°C	150	°C		0.16	°C
			200	°C	200	°C		0.22	°C
			250	°C	250	°C		0.20	°C
			300	°C	300	°C		0.25	°C
Approval Signatory: CHIANG, Ming-Yao; LEE, Wen-Yu									

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

(Null Below)