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

# Certificate of Accreditation

(Certificate No：L0583-261020)

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, 2026 to November 14, 2029 |
| **Accredited Scope** | ： | Calibration Field, see described in the Appendix |

Scan to verify

Yi-Ling Chen

Yi-Ling Chen
President, Taiwan Accreditation Foundation
October 20, 2026



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

Accreditation Number ：0583
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. | minimum value | units | maximum value | units | explanation | value | units |
| KA2003 Digimatic Caliper | Caliper Calibrator Mitutoyo 515-555 | In-house method: Caliper Calibration Procedure (Document No.: E-04-22-037) | 0 | mm | 300 | mm | Outside Diameter (resolution:0.01 mm) | 0.02 | mm |
| | | | 0 | mm | 300 | mm | Inside Diameter (resolution:0.01 mm) | 0.02 | mm |
| Approval Signatory:CHIANG, Ming-Yao; LI, Yen-Chun | | | | | | | | | |

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 |
| KC4004 Torque Calibrator | 1.Torque arm CDI A/B 10cm,25cm 2.Dead weight DERHER 100 g to 20 kg | In-house method: Torque Calibrator calibration procedure (Document No.: E-04-22-041) | 0.49(5) | N·m(kgf·cm) | 9.8(100) | N·m(kgf·cm) | CW | 0.82 | % |
| | | | 2.45(25) | N·m(kgf·cm) | 24.5(250) | N·m(kgf·cm) | CW | 0.82 | % |
| | | | 0.49(5) | N·m(kgf·cm) | 9.8(100) | N·m(kgf·cm) | CCW | 0.82 | % |
| | | | 2.45(25) | N·m(kgf·cm) | 24.5(250) | N·m(kgf·cm) | CCW | 0.82 | % |
| Approval Signatory:CHIANG, Ming-Yao; LI, Gene | | | | | | | | | |

Temperature/Humidity

| 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 |
| KE1002 Platinum resistance thermometer | Resistance Thermometer Sensor ASL /T100-NS396 & ASL-F250 | In-house method: Platinum resistance thermometer calibration procedure (Document No.: E-04-22-025) | 0 | ℃ | 0 | ℃ | | 0.16 | ℃ |
| | | | 50 | ℃ | 50 | ℃ | | 0.16 | ℃ |
| | | | 100 | ℃ | 100 | ℃ | | 0.16 | ℃ |
| | | | 150 | ℃ | 150 | ℃ | | 0.16 | ℃ |
| | | | 200 | ℃ | 200 | ℃ | | 0.16 | ℃ |
| | | | 250 | ℃ | 250 | ℃ | | 0.16 | ℃ |
| | | | 300 | ℃ | 300 | ℃ | | 0.16 | ℃ |
| Approval Signatory: CHIANG, Ming-Yao; LI, Yen-Chun | | | | | | | | | |
| | | | | | | | | | |
| KE1006 Thermocouple Temperature Indicator (on-site calibration included) | Thermocouple simulator Fluke/7526A | In-house method: Thermocouple Temperature Indicator calibration procedure (Document No.: E-04-22-015) | -200 | ℃ | 400 | ℃ | TYPE-T | 0.26 | ℃ |
| | | | -200 | ℃ | 1200 | ℃ | TYPE-J | 0.26 | ℃ |
| | | | -200 | ℃ | 1370 | ℃ | TYPE-K | 0.26 | ℃ |
| | | | -200 | ℃ | 400 | ℃ | TYPE-T(On-site) | 0.31 | ℃ |
| | | | -200 | ℃ | 1200 | ℃ | TYPE-J(On-site) | 0.31 | ℃ |
| | | | -200 | ℃ | 1370 | ℃ | TYPE-K(On-site) | 0.31 | ℃ |
| Approval Signatory: CHIANG, Ming-Yao; LI, Yen-Chun | | | | | | | | | |
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Note：Smallest uncertainty represents an expanded uncertainty using a coverage factor approximately 95 % level of confidence.
(Null Below)