




# Calibration Report

Calibration & Measurement Laboratory-Taipei

Report Date : 2023/8/14

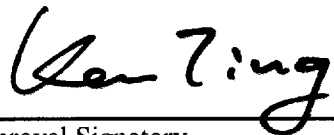
	Report No. : ECR2331029	1 of 2
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Applicant	Tamsui MacKay Memorial Hospital Clinical Trial Pharmacy				
Equipment	EXTECH SDL200 4CH(1F, Mackay Building_ Clinical Trial Pharmacy)				
Manufacturer	EXTECH	Model	SDL200	Serial No.	H. 315486
Procedure used	GENP-EC-T002(V 1.1)	Received Date	2023/8/8	Calibration Date	2023/8/8
Operator	Luke Tsai	Temperature(°C)	(22 ~ 22) °C	Relative Humidity(%)	(62 ~ 59) %
Add.-Customer	Clinical Trial Pharmacy, 1F Mackay Building, No.47, Minguan Rd., Tamsui District, New Taipei City 251404(TF, Mackay Building, Clinical Trial Pharmacy)			Location	On Site
Add.-On-Site	Clinical Trial Pharmacy, 1F Mackay Building, No.47, Minguan Rd., Tamsui District, New Taipei City 251404(TF, Mackay Building, Clinical Trial Pharmacy)				

## SGS Standards

Equipment	Manufacturer	Model	Calibration Date
Documenting Process Calibrator	FLUKE	753	2023/4/15
Serial Number	Traceability	Report No.	Due Date
54030024	SGS(TAF 0143)	ECR2312878-ECR2312878-2	2024/4/14

- ◆ SGS Taiwan Ltd hereby declare that traceability follows ILAC P10(ILAC policy on the traceability of measurement results).All standards are directly traceable to TAF recognized lab (members of the ILAC MRA ) or to National Metrology Institutes (NMI) or to other international standards (members of the CIPM MRA) or certified reference materials(CRMs). The report with "TAF" accredited symbol represents the certificate of calibration items conforming to TAF accreditation scope : Without "TAF" accredited symbol , the report also complies with the lab's standard calibration operating procedures and ISO/IEC 17025 requirements.
- ◆ The calibration report is only valid for the instrument mentioned above and has not been adjusted.  
Unless otherwise specified, the content of the report does not include the suggestion for calibration interval and the determination of compliance.
- ◆ To reproduce or copy calibration report in partial is not allowed.
- ◆ Procedure used: Calibration SOP for Thermometer (Simulation for TC+RTD)

  
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 Approval Signatory

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Temperature Item : ( k- type)

	Measured Value (°C)	Actual Value (°C)	Deviation (°C)
T1	-5.7	-5.0	-0.7
	-0.6	0.0	-0.6
	4.4	5.0	-0.6
	9.5	10.0	-0.5
T2	-5.8	-5.0	-0.8
	-0.7	0.0	-0.7
	4.2	5.0	-0.8
	9.4	10.0	-0.6
T3	-5.8	-5.0	-0.8
	-0.7	0.0	-0.7
	4.2	5.0	-0.8
	9.2	10.0	-0.8
T4	-5.9	-5.0	-0.9
	-0.7	0.0	-0.7
	4.2	5.0	-0.8
	9.3	10.0	-0.7

Calibration Explanation :

- 1.Deviation = Measured – Actual
  - 2.Measured : The value recorded under testing from item- tested.
  - 3.Actual : The value indicated by traceable standard.
  4. The expanded measurement uncertainties estimated are at a level of confidence of approximately 95 % with a coverage factor  $k = 2$
  - 5.Expanded uncertainty : 0.5 °C
  - 6.The expanded uncertainty included measurement system variances and item-tested variance.
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