

Certificate No.

23BMEP3DEC12230122

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Certificate of Calibration

EQUIPMENT : MODULE, ECG/SPO2/NIBP

ID CODE : PYT3_00812

MANUFACTURER : PHILIPS

MODEL : M3001A

SERIAL No. : DE9070B7TR

LOCATION : GASTROINTESTINAL LABORATORY(GI)

SUBMITTED BY : PHYATHAI 3 HOSPITAL

111 Phet Kasem Rd., Pak Khlong Phasi Charoen, Phasi Charoen Bangkok 10160

Tel: 0641470591 Fax: -

CALIBRATED DATE : 19 DECEMBER 2023

PANALEE UEASUNTHONNOP

ISSUE DATE : 2 JANUARY 2024

Performed by:

Approved by:

CHAIWAT SALAIWONG

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CONDITION OF THIS RESULT OF TEST

1. REFERENCE STANDARD INSTRUMENT:

MASTERMANUFACTURERMODELSERIAL NO.CERTIFICATE NO.DUE DATETester, Vital SignFLUKEPROSIM 8570205923MD46517 Apr 2024

Simulator

2. THIS CERTIFICATION IS TRACEABLE TO:

- Technology Promotion Association (Thai-Japan)

3. THIS RESULT OF TEST WAS FOUND ACCURATE AS SHOW ON DATE AND PLACE OF TEST ONLY



Certificate No. 23B

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Calibration Report

EQUIPMENT : MODULE, ECG/SPO2/NIBP

ID CODE : PYT3_00812

MANUFACTURER : PHILIPS

MODEL : M3001A

SERIAL No. : DE9070B7TR

DATE OF CALIBRATION : 19 DECEMBER 2023

ENVIRONMENT : TEMPERATURE 25 °C

RELATIVE HUMIDITY 55 %

PROCEDURE USED:

This instrument was calibration by comparison with standard

MEASURMENT RESULT:

/	Without Adjustment		Before Adjustment		After Adjustment
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Systolic						
Standard Setting	UUC* Reading	Error	% Error	Uncertainty		
(mmHg)	(mmHg)	(mmHg)	(%)	(mmHg)		
60	58.02	-1.98	-3.30	± 0.9255		
120	114.03	-5.97	-4.97	± 1.2705		
200	201.01	1.01	0.50	± 1.7326		

Diastolic						
Standard Setting	UUC* Reading	Error	% Error	Uncertainty		
(mmHg)	(mmHg)	(mmHg)	(%)	(mmHg)		
30	31.98	1.98	6.58	± 0.7512		
80	80.99	0.99	1.24	± 1.0399		
150	148.98	-1.02	-0.68	± 1.4441		

Heart Rate						
Standard Setting	UUC* Reading	Error	% Error	Uncertainty		
(BPM)	(BPM)	(BPM)	(%)	(BPM)		
60	60.00	0.00	0.00	± 0.0801		
80	80.01	0.01	0.01	± 0.0622		
120	120.04	0.04	0.03	± 0.0561		

UUC*: Unit Under Calibration

The reported uncertainty of measurement was based on a standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95%

FI-BME-NHS-CP-007/1 Rev.03 Page 2/2 Issued Date 20/07/2023