

Certificate No.

24PYT3_DEC12240091

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Certificate of Calibration

EQUIPMENT : MODULE, ECG/SPO2/NIBP

ID CODE : PYT3_00833

MANUFACTURER : PHILIPS

MODEL : M3001A

SERIAL No. : DE9070B7TP

LOCATION : GASTROINTESTINAL LABORATORY(GI)

SUBMITTED BY : PHYATHAI 3 HOSPITAL

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

Tel: (662) 467-1111 Fax: (622) 467-1111

CALIBRATED DATE : 1 DECEMBER 2024
ISSUE DATE : 30 DECEMBER 2024

In

Performed by:		Approved by :	1	
	SOM KONKAFW		PUKARIN TONGKI IANG	

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CONDITION OF THIS RESULT OF TEST

1. REFERENCE STANDARD INSTRUMENT:

MASTERMANUFACTURERMODELSERIAL NO.CERTIFICATE NO.DUE DATETester, Vital SignFLUKEPROSIM 8570205924MD54530 Apr 2025Simulator

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



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Calibration Report

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DATE OF CALIBRATION : 1 DECEMBER 2024

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	59.99	-0.01	-0.02	± 0.1059
120	119.01	-0.99	-0.83	± 0.0720
200	198.98	-1.02	-0.51	± 0.0648

Diastolic				
Standard Setting	UUC* Reading	Error	% Error	Uncertainty
(mmHg)	(mmHg)	(mmHg)	(%)	(mmHg)
30	31.02	1.02	3.38	± 0.0287
80	76.98	-3.02	-3.77	± 0.0283
150	152.00	2.00	1.33	± 0.0715

Heart Rate					
Standard Setting	UUC* Reading	Error	% Error	Uncertainty	
(BPM)	(BPM)	(BPM)	(%)	(BPM)	
60	60.00	-0.00	-0.01	± 0.0949	
80	79.96	-0.04	-0.05	± 0.1163	
120	120.02	0.02	0.01	± 0.1157	

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%Spo2				
Standard Setting	UUC* Reading	Error	% Error	Uncertainty
(%SPO ₂)	(%SPO ₂)	(%SPO ₂)	(%)	(%SPO ₂)
90	90.99	0.99	1.10	± 0.0414
96	97.01	1.01	1.05	± 0.0757
100	99.98	-0.02	-0.02	± 0.0367

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%

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