

Certificate No.

24PYT3_DEC12240098

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Certificate of Calibration

EQUIPMENT : MODULE, ECG/SPO2/NIBP

ID CODE : PYT3_00828_1

MANUFACTURER : PHILIPS

MODEL : M3001A

SERIAL No. : DE9070B7U3

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

Performed by:		Approved by :	1
	SOM KONKA FW		PUKARIN TONGKUANG

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CONDITION OF THIS RESULT OF TEST

1. REFERENCE STANDARD INSTRUMENT:

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

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



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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	62.04	2.04	3.40	± 0.0639
120	116.03	-3.97	-3.31	± 0.0676
200	194.02	-5.99	-2.99	± 0.0317

Diastolic				
Standard Setting	UUC* Reading	Error	% Error	Uncertainty
(mmHg)	(mmHg)	(mmHg)	(%)	(mmHg)
30	31.99	1.99	6.63	± 0.0776
80	79.00	-1.00	-1.25	± 0.0880
150	144.04	-5.96	-3.98	± 0.0612

Heart Rate					
Standard Setting	UUC* Reading	Error	% Error	Uncertainty	
(BPM)	(BPM)	(BPM)	(%)	(BPM)	
60	60.04	0.03	0.06	± 0.0451	
80	80.02	0.02	0.03	± 0.1183	
120	119.98	-0.02	-0.02	± 0.1113	

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%Spo2				
Standard Setting	UUC* Reading	Error	% Error	Uncertainty
(%SPO ₂)	(%SPO ₂)	(%SPO ₂)	(%)	(%SPO ₂)
90	89.98	-0.02	-0.02	± 0.0283
96	96.99	0.99	1.03	± 0.0681
100	100.00	-0.00	-0.00	± 0.0746

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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