

Certificate No.

24PYT3\_DEC12240104

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### **Certificate of Calibration**

EQUIPMENT : MODULE

ID CODE : PYT3\_02309\_1

MANUFACTURER : PHILIPS

MODEL : M3001A

SERIAL No. : DE9070CP6P

LOCATION : EMERGENCY( ฉุกเฉิน)

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 : 3 DECEMBER 2024

ISSUE DATE : 30 DECEMBER 2024

Performed by : Approved by : PUKARIN TONGKLIANG

SOM KONKAEW PUKARIN TONGKLIANG

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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**

EQUIPMENT : MODULE

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MANUFACTURER : PHILIPS

MODEL : M3001A

SERIAL No. : DE9070CP6P

DATE OF CALIBRATION : 3 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	61.97	1.97	3.28	± 0.0776
120	120.01	0.01	0.01	± 0.0890
200	197.03	-2.97	-1.49	± 0.0901

Diastolic						
Standard Setting	UUC* Reading	Error	% Error	Uncertainty		
(mmHg)	(mmHg)	(mmHg)	(%)	(mmHg)		
30	32.99	2.99	9.96	± 0.0757		
80	83.03	3.03	3.79	± 0.0414		
150	151.00	1.00	0.67	± 0.0694		

Heart Rate						
Standard Setting	UUC* Reading	Error	% Error	Uncertainty		
(BPM)	(BPM)	(BPM)	(%)	(BPM)		
60	59.97	-0.03	-0.06	± 0.0451		
80	79.99	-0.01	-0.01	± 0.1153		
120	119.98	-0.02	-0.02	± 0.1183		

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# **Calibration Report**

EQUIPMENT : MODULE

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SERIAL No. : DE9070CP6P

%Spo2						
Standard Setting	UUC* Reading	Error	% Error	Uncertainty		
(%SPO <sub>2</sub> )	(%SPO <sub>2</sub> )	(%SPO <sub>2</sub> )	(%)	(%SPO <sub>2</sub> )		
90	89.99	-0.01	-0.01	± 0.0865		
96	97.00	1.00	1.04	± 0.0900		
100	99.96	-0.04	-0.04	± 0.0563		

### **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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