

Certificate No.

23BMEP3DEC12230041

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### **Certificate of Calibration**

EQUIPMENT : MODULE, ECG/SPO2/NIBP

ID CODE : PYT3\_00446

MANUFACTURER : PHILIPS

MODEL : M3001A

SERIAL No. : DE9070ABD9

LOCATION : LABOR ROOM(ห้องคลอด)

SUBMITTED BY : PHYATHAI 3 HOSPITAL

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

Tel: 0641470591 Fax: -

CALIBRATED DATE : 13 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



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# **Calibration Report**

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SERIAL No. : DE9070ABD9

DATE OF CALIBRATION : 13 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	60.11	0.11	0.18	± 0.9249		
120	115.01	-4.99	-4.16	± 1.2722		
200	194.03	-5.97	-2.99	± 1.7323		

Diastolic						
Standard Setting	UUC* Reading	Error	% Error	Uncertainty		
(mmHg)	(mmHg)	(mmHg)	(%)	(mmHg)		
30	32.03	2.03	6.76	± 0.7514		
80	80.97	0.97	1.21	± 1.0400		
150	148.03	-1.97	-1.31	± 1.4442		

Heart Rate						
Standard Setting	UUC* Reading	Error	% Error	Uncertainty		
(BPM)	(BPM)	(BPM)	(%)	(BPM)		
60	60.01	0.01	0.01	± 0.0381		
80	80.02	0.02	0.03	± 0.0546		
120	120.01	0.01	0.01	± 0.0589		

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ID CODE : PYT3\_00446 SERIAL No. : DE9070ABD9

%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	91.03	1.03	1.14	± 0.1140	
96	97.05	1.05	1.10	± 0.1165	
100	99.99	-0.01	-0.01	± 0.1227	

#### **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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