

Certificate No.

24PYT3\_DEC12240138

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### **Certificate of Calibration**

EQUIPMENT : OXIMETERS, PULSE

ID CODE : PYT3\_05601

MANUFACTURER : NONIN

MODEL : 9500 (ONYX)

SERIAL No. : 502483447

LOCATION : WARD 17

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 : 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 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**

EQUIPMENT : OXIMETERS, PULSE

ID CODE : PYT3\_05601

MANUFACTURER : NONIN

MODEL : 9500 (ONYX)

SERIAL No. : 502483447

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

%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	90.02	0.02	0.02	± 0.0523				
96	95.96	-0.04	-0.04	± 0.0494				
100	99.97	-0.03	-0.03	± 0.0530				

Heart Rate								
Standard Setting	UUC* Reading	Error	% Error	Uncertainty				
(BPM)	(BPM)	(BPM)	(%)	(BPM)				
60	60.02	0.02	0.03	± 0.0973				
80	79.99	-0.02	-0.02	± 0.1160				
120	119.99	-0.01	-0.01	± 0.1113				

### **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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