

Certificate No.

24PYT3_DEC12240045

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Certificate of Calibration

EQUIPMENT : MONITORS, PATIENT TRANSPORT

ID CODE : PYT3_04794

MANUFACTURER : PHILIPS

MODEL : SURESIGNS VSI

SERIAL No. : CN42723045

LOCATION : WARD 10

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 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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ID CODE : PYT3_04794

MANUFACTURER : PHILIPS

MODEL : SURESIGNS VSI

SERIAL No. : CN42723045

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	61.02	1.02	1.70	± 0.0792		
120	116.98	-3.02	-2.51	± 0.0720		
200	195.01	-4.99	-2.50	± 0.0871		

Diastolic						
Standard Setting	UUC* Reading	Error	% Error	Uncertainty		
(mmHg)	(mmHg)	(mmHg)	(%)	(mmHg)		
30	33.02	3.02	10.08	± 0.0435		
80	81.01	1.01	1.26	± 0.0951		
150	145.99	-4.01	-2.67	± 0.0563		

Heart Rate						
Standard Setting	UUC* Reading	Error	% Error	Uncertainty		
(BPM)	(BPM)	(BPM)	(%)	(BPM)		
60	60.04	0.03	0.06	± 0.0590		
80	79.99	-0.01	-0.01	± 0.1183		
120	120.03	0.03	0.03	± 0.1134		

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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	± 0.0494		
96	97.01	1.01	1.05	± 0.0547		
100	99.99	-0.01	-0.01	± 0.1059		

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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