

Certificate No. 2

24PYT3_DEC12240042

Page 1 of 3

Certificate of Calibration

EQUIPMENT : MONITORS, PATIENT TRANSPORT

ID CODE : PYT3_01906

MANUFACTURER : PHILIPS

MODEL : SURESIGNS VSI

SERIAL No. : CN21202446

LOCATION : WARD 8

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



Certificate No. 24PYT3_DEC12240042

Page 2 of 3

Calibration Report

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ID CODE : PYT3_01906

MANUFACTURER : PHILIPS

MODEL : SURESIGNS VSI

SERIAL No. : CN21202446

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 |
|---|--------------------|--|-------------------|--|------------------|
|---|--------------------|--|-------------------|--|------------------|

| Systolic | | | | | | |
|------------------|--------------|--------|---------|-------------|--|--|
| Standard Setting | UUC* Reading | Error | % Error | Uncertainty | | |
| (mmHg) | (mmHg) | (mmHg) | (%) | (mmHg) | | |
| 60 | 61.99 | 1.99 | 3.32 | ± 0.0547 | | |
| 120 | 119.02 | -0.98 | -0.82 | ± 0.0391 | | |
| 200 | 195.99 | -4.01 | -2.01 | ± 0.1106 | | |

| Diastolic | | | | | | | |
|------------------|--------------|--------|---------|-------------|--|--|--|
| Standard Setting | UUC* Reading | Error | % Error | Uncertainty | | | |
| (mmHg) | (mmHg) | (mmHg) | (%) | (mmHg) | | | |
| 30 | 33.00 | 3.00 | 10.01 | ± 0.0563 | | | |
| 80 | 83.00 | 3.00 | 3.75 | ± 0.0681 | | | |
| 150 | 151.98 | 1.98 | 1.32 | ± 0.0234 | | | |

| Heart Rate | | | | | | |
|------------------|--------------|-------|---------|-------------|--|--|
| Standard Setting | UUC* Reading | Error | % Error | Uncertainty | | |
| (BPM) | (BPM) | (BPM) | (%) | (BPM) | | |
| 60 | 60.00 | 0.00 | 0.00 | ± 0.0948 | | |
| 80 | 80.00 | -0.00 | -0.00 | ± 0.1280 | | |
| 120 | 120.00 | -0.00 | -0.00 | ± 0.1107 | | |

FI-BME-NHS-CP-007/1 Rev.04 Page 2/3 Issued Date 20/07/2024



Certificate No. 24PYT3_DEC12240042

Page 3 of 3

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ID CODE : PYT3_01906 SERIAL No. : CN21202446

| %Spo2 | | | | | | |
|----------------------|----------------------|----------------------|---------|----------------------|--|--|
| Standard Setting | UUC* Reading | Error | % Error | Uncertainty | | |
| (%SPO ₂) | (%SPO ₂) | (%SPO ₂) | (%) | (%SPO ₂) | | |
| 90 | 90.97 | 0.97 | 1.08 | ± 0.0487 | | |
| 96 | 96.99 | 0.98 | 1.03 | ± 0.0951 | | |
| 100 | 100.00 | -0.01 | -0.01 | ± 0.0921 | | |

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%

FI-BME-NHS-CP-007/1 Rev.04 Page 3/3 Issued Date 20/07/2024