

Certificate No.

24PYT3_DEC12240077

Page 1 of 3

Certificate of Calibration

EQUIPMENT : MONITORS, PHYSIOLOGIC, VITAL SIGNS

ID CODE : PYT3_08488

MANUFACTURER : PHILIPS

MODEL : EARLYVUE VS30

SERIAL No. : DE72420727

LOCATION : OPD MEDICINE(อายุกรรม)

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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Page 2 of 3

Calibration Report

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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	62.00	2.00	3.33	± 0.0549		
120	117.01	-2.99	-2.49	± 0.0757		
200	194.05	-5.95	-2.98	± 0.0612		

Diastolic						
Standard Setting	UUC* Reading	Error	% Error	Uncertainty		
(mmHg)	(mmHg)	(mmHg)	(%)	(mmHg)		
30	36.75	6.75	22.50	± 0.8275		
80	82.00	2.00	2.50	± 0.0844		
150	149.02	-0.98	-0.65	± 0.0639		

Heart Rate						
Standard Setting	UUC* Reading	Error	% Error	Uncertainty		
(BPM)	(BPM)	(BPM)	(%)	(BPM)		
60	60.03	0.03	0.05	± 0.0644		
80	79.99	-0.02	-0.02	± 0.1186		
120	120.01	0.01	0.01	± 0.1244		

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



Certificate No. 24PYT3_DEC12240077

Page 3 of 3

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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	± 0.1109		
96	96.96	0.96	1.00	± 0.0604		
100	100.02	0.01	0.01	± 0.0828		

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