

Certificate No.

24PYT3_DEC12240018

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Certificate of Calibration

EQUIPMENT : MONITORS, PHYSIOLOGIC, VITAL SIGNS

ID CODE : PYT3_01392

MANUFACTURER : WELCH ALLYN

MODEL : 53000

SERIAL No. : JA011162

LOCATION : CHECK-UP (ตรวจสุขภาพ)

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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MODEL : 53000

SERIAL No. : JA011162

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	63.02	3.02	5.03	± 0.0302		
120	120.98	0.98	0.82	± 0.0694		
200	199.00	-1.00	-0.50	± 0.0512		

Diastolic					
Standard Setting	UUC* Reading	Error	% Error	Uncertainty	
(mmHg)	(mmHg)	(mmHg)	(%)	(mmHg)	
30	32.01	2.01	6.70	± 0.0191	
80	85.00	5.00	6.25	± 0.0900	
150	154.01	4.01	2.67	± 0.0214	

Heart Rate						
Standard Setting	UUC* Reading	Error	% Error	Uncertainty		
(BPM)	(BPM)	(BPM)	(%)	(BPM)		
60	60.04	0.04	0.07	± 0.0494		
80	78.98	-1.02	-1.28	± 0.1304		
120	119.00	-1.00	-0.83	± 0.1121		

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%