

Certificate No.

24PYT3_DEC12240165

Page 1 of 3

Certificate of Calibration

EQUIPMENT : MONITORS, PHYSIOLOGIC, VITAL SIGNS

ID CODE : PYT3_01391

MANUFACTURER : WELCH ALLYN

MODEL : 53N00

SERIAL No. : JA110860

LOCATION : GASTROINTESTINAL LABORATORY(GI)

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 : 16 DECEMBER 2024
ISSUE DATE : 30 DECEMBER 2024

Performed by:	/	Approved by :	1
	SOM KONKAEW		PUKARIN TONGKLIANG

This certificate may not be reproduced except in full unless permission for reproduction has been obtained in writing from the calibration.

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_DEC12240165

Page 2 of 3

Calibration Report

EQUIPMENT : MONITORS, PHYSIOLOGIC, VITAL SIGNS

ID CODE : PYT3_01391

MANUFACTURER : WELCH ALLYN

MODEL : 53N00

SERIAL No. : JA110860

DATE OF CALIBRATION : 16 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	63.99	3.99	6.64	± 0.0438	
120	119.02	-0.98	-0.82	± 0.0996	
200	199.05	-0.96	-0.48	± 0.0565	

Diastolic					
Standard Setting	UUC* Reading	Error	% Error	Uncertainty	
(mmHg)	(mmHg)	(mmHg)	(%)	(mmHg)	
30	32.00	2.00	6.66	± 0.0341	
80	86.00	6.00	7.50	± 0.0270	
150	154.02	4.02	2.68	± 0.1155	

Heart Rate				
Standard Setting	UUC* Reading	Error	% Error	Uncertainty
(BPM)	(BPM)	(BPM)	(%)	(BPM)
60	59.95	-0.05	-0.08	± 0.0577
80	80.00	-0.01	-0.01	± 0.1143
120	119.97	-0.03	-0.03	± 0.1139

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



Certificate No. 24PYT3_DEC12240165

Page 3 of 3

Calibration Report

EQUIPMENT : MONITORS, PHYSIOLOGIC, VITAL SIGNS

ID CODE : PYT3_01391

SERIAL No. : JA110860

%Spo2				
Standard Setting	UUC* Reading	Error	% Error	Uncertainty
(%SPO ₂)	(%SPO ₂)	(%SPO ₂)	(%)	(%SPO ₂)
90	90.02	0.01	0.02	± 0.0901
96	96.96	0.95	0.99	± 0.0497
100	99.98	-0.02	-0.02	± 0.0456

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