Certificate of Calibration

EQUIPMENT	:	OXIMETERS, PULSE
ID CODE	:	PYT3_02909
MANUFACTURER	:	MASIMO
MODEL	:	RADICAL-7
SERIAL No.	:	217003
LOCATION	:	NURSERY
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 : _____

SOM KONKAEW *PUKARIN TONGKLIANG*

CONDITION OF THIS RESULT OF TEST

1. REFERENCE STANDARD INSTRUMENT:

MASTER	MANUFACTURER	MODEL	SERIAL NO.	CERTIFICATE NO.	DUE DATE
Tester, Vital Sign Simulator	FLUKE	PROSIM 8	5702059	24MD545	30 Apr 2025

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

Calibration Report

EQUIPMENT	:	OXIMETERS, PULSE	
ID CODE	:	PYT3_02909	
MANUFACTURER	:	MASIMO	
MODEL	:	RADICAL-7	
SERIAL No.	:	217003	
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

%Spo2				
Standard Setting ($\%SPO_2$)	UUC* Reading ($\%SPO_2$)	Error ($\%SPO_2$)	% Error (%)	Uncertainty ($\%SPO_2$)
90	89.97	-0.03	-0.03	± 0.0589
96	96.02	0.02	0.02	± 0.1068
100	100.01	0.01	0.01	± 0.0776

Heart Rate				
Standard Setting (BPM)	UUC* Reading (BPM)	Error (BPM)	% Error (%)	Uncertainty (BPM)
60	60.00	-0.00	-0.00	± 0.0274
80	80.00	-0.00	-0.01	± 0.1137
120	119.98	-0.02	-0.02	± 0.1173

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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