Certificate of Calibration

EQUIPMENT	:	OXIMETERS, PULSE
ID CODE	:	PYT3_08881
MANUFACTURER	:	HEALTHTREE
MODEL	:	JKS50B
SERIAL No.	:	-
LOCATION	:	WARD 9
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*

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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_08881	
MANUFACTURER	:	HEALTHTREE	
MODEL	:	JKS50B	
SERIAL No.	:	-	
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	91.04	1.04	1.15	± 0.0565
96	97.01	1.01	1.05	± 0.0757
100	99.01	-1.00	-1.00	± 0.0871

Heart Rate				
Standard Setting (BPM)	UUC* Reading (BPM)	Error (BPM)	% Error (%)	Uncertainty (BPM)
60	61.00	1.00	1.67	± 0.0702
80	80.01	0.00	0.01	± 0.1102
120	120.00	-0.00	-0.00	± 0.1137

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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