Certificate of Calibration

EQUIPMENT	:	OXIMETERS, PULSE
ID CODE	:	PTP04021
MANUFACTURER	:	-
MODEL	:	-
SERIAL No.	:	-
LOCATION	:	BME-PTP
SUBMITTED BY	:	PHYATHAI PHAHOLYOTHIN HOSPITAL 670/1 Phaholyothin Road, Samsen Nai, Phaya Thai, Bangkok 10400 Tel : 02-271-7000 Fax : -
CALIBRATED DATE	:	25 APRIL 2024
ISSUE DATE	:	1 MAY 2024

Performed by : Usanee _____ Approved by : _____

USANEE CHALONGPHOKSILCHAI *PHUWASIN YIWKIM*

CONDITION OF THIS RESULT OF TEST

1. REFERENCE STANDARD INSTRUMENT:

MASTER	MANUFACTURER	MODEL	SERIAL NO.	CERTIFICATE NO.	DUE DATE
Vitalsign Simulator	Fluke	ProSim8	2541031	23MD777	7 Jun 2024

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	:	PTP04021	
MANUFACTURER	:	-	
MODEL	:	-	
SERIAL No.	:	-	
DATE OF CALIBRATION	:	25 APRIL 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	90.00	0.00	0.00	± 0.1039
96	96.00	0.00	0.00	± 0.1109
100	100.00	0.00	0.00	± 0.1155

Heart Rate				
Standard Setting (BPM)	UUC* Reading (BPM)	Error (BPM)	% Error (%)	Uncertainty (BPM)
60	60.00	0.00	0.00	± 0.0150
80	80.00	0.00	0.00	± 0.0460
120	120.00	0.00	0.00	± 0.0460

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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