

Certificate No. 2

24PTP_0104240204

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Certificate of Calibration

EQUIPMENT : PACEMAKERS, CARDIAC, EXTERNAL

ID CODE : PTP04539

MANUFACTURER : MEDTRONIC

MODEL : 5392

SERIAL No. : DJH047741P

LOCATION : I.C.U

SUBMITTED BY : PHYATHAI PHAHOLYOTHIN HOSPITAL

670/1 Phaholyothin Road, Samsen Nai, Phaya Thai, Bangkok 10400

Tel: 02-271-7000 Fax: -

CALIBRATED DATE : 19 APRIL 2024

ISSUE DATE : 1 MAY 2024

Performed by:

Approved by :

USANEE CHALONGPHOKSILCHAI

PHUWASIN YIWKIM

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CONDITION OF THIS RESULT OF TEST

1. REFERENCE STANDARD INSTRUMENT:

MASTERMANUFACTURERMODELSERIAL NO.CERTIFICATE NO.DUE DATEDefibrillatorFlukeImpulse 7000DP207933523MD7757 Jun 2024Analyzer

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

EQUIPMENT : PACEMAKERS, CARDIAC, EXTERNAL

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MANUFACTURER : MEDTRONIC

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SERIAL No. : DJH047741P

DATE OF CALIBRATION : 19 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
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Rate (Chanel V)									
UUC* Setting	Standard Reading	Error	% Error	Uncertainty					
(BPM)	(BPM)	(BPM)	(%)	(BPM)					
60	60.00	0.00	0.00	± 0.6928					
120	119.90	-0.10	-0.08	± 1.3857					
200	199.80	-0.20	-0.10	± 2.3095					

Current Output (Chanel V)								
UUC* Setting	Standard Reading	Error	% Error	Uncertainty				
(mA)	(mA)	(mA)	(%)	(mA)				
5	4.99	-0.01	-0.20	± 0.0577				
10	10.02	0.02	0.20	± 0.1155				
20	20.10	0.10	0.50	± 0.2309				

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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