

Certificate No. 241

24PTP_0104240312

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Certificate of Calibration

EQUIPMENT : ELECTROSURGICAL UNITS, MONOPOLAR

ID CODE : PTP01915

MANUFACTURER : WEM

MODEL : SS-501E

SERIAL No. : 174

LOCATION : General Surgery

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

Kanittha.

Performed by : KANITTHA SRIPRAPAD

Approved by :

PHUWASIN YIWKIM

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CONDITION OF THIS RESULT OF TEST

1. REFERENCE STANDARD INSTRUMENT:

MASTERMANUFACTURERMODELSERIAL NO.CERTIFICATE NO.DUE DATEElectrosurgeryFluke BiomedicalQA-ES III572872623MD85221 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 : ELECTROSURGICAL UNITS, MONOPOLAR

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MANUFACTURER : WEM

MODEL : SS-501E

SERIAL No. : 174

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
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Energy Monopolar/Cut								
UUC* Setting	Standard Reading	Error	% Error	Uncertainty				
(Watt)	(Watt)	(Watt)	(%)	(Watt)				
20	22.10	2.10	10.50	± 1.1547				
50	49.20	-0.80	-1.60	± 2.8868				
100	101.00	1.00	1.00	± 5.7737				
200	210.00	10.00	5.00	± 11.5473				
300	307.00	7.00	2.33	± 17.3210				

Energy Monopolar/Coag								
UUC* Setting	Standard Reading	Error	% Error	Uncertainty				
(Watt)	(Watt)	(Watt)	(%)	(Watt)				
20	22.10	2.10	10.50	± 1.1547				
50	54.70	4.70	9.40	± 2.8868				
80	90.40	10.40	13.00	± 4.6189				
100	105.00	5.00	5.00	± 5.7737				
120	123.00	3.00	2.50	± 6.9284				

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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