

Certificate No. 2

24PTP_0104240253

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Certificate of Calibration

EQUIPMENT : LASERS, PHYSICAL THERAPY

ID CODE : PTP00884

MANUFACTURER : REIMERS&JANSSEN

MODEL : PHYSIOLASER OLYMPIC

SERIAL No. : 14172-23

LOCATION : Physiotherapy

SUBMITTED BY : PHYATHAI PHAHOLYOTHIN HOSPITAL

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

PHUWASIN YIWKIM

Tel: 02-271-7000 Fax: -

CALIBRATED DATE : 23 APRIL 2024

SUPATCHA BUAPUEAN

ISSUE DATE : 1 MAY 2024

Supatcha		どりとれ
	Approved by:	

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CONDITION OF THIS RESULT OF TEST

1. REFERENCE STANDARD INSTRUMENT:

MASTERMANUFACTURERMODELSERIAL NO.CERTIFICATE NO.DUE DATELASEROPHIRVEGA3096631EL-0016-2319 Sep 2024

POWER/ENERGY

Performed by:

METER

Stop watch FBT JS-7065 - 23E1912 7 Jun 2024

2. THIS CERTIFICATION IS TRACEABLE TO:

- Sound Level Meter 1/2" Free-field Microphone Preamplifier Calibration with sound Level Meter 1/2" Pressure-filed Microphone USB Audio interface
 - 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 : LASERS, PHYSICAL THERAPY

ID CODE : PTP00884

MANUFACTURER : REIMERS&JANSSEN

MODEL : PHYSIOLASER OLYMPIC

SERIAL No. : 14172-23

DATE OF CALIBRATION : 23 APRIL 2024

ENVIRONMENT : TEMPERATURE 24 °C

RELATIVE HUMIDITY 56 %

PROCEDURE USED:

This instrument was calibration by comparison with standard

MEASURMENT RESULT:

/ Without Adjustment Before Adjustment After Adjustment

Power (Wavelenght = 810 nm)						
UUC* Setting	Standard Reading	Error	% Error	Uncertainty		
(mWatt)	(mWatt)	(mWatt)	(%)	(mWatt)		
200	210.50	10.50	5.25	± 7.1416		
300	288.50	-11.50	-3.83	± 11.0908		
400	372.25	-27.75	-6.94	± 16.5526		
500	436.50	-63.50	-12.70	± 17.8237		

Time				
UUC* Setting	Standard Reading	Error	% Error	Uncertainty
(sec.)	(sec.)	(sec.)	(%)	(sec.)
30	30.49	0.49	1.63	± 0.6743
60	60.51	0.51	0.85	± 0.9021

Note: ใช้หัวเลเซอร์ SN: 14511A-012 ในการทดสอบ

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%

FI-BME-NHS-CP-085/1 Rev.00 Page 2/2 Issued Date 29/03/2024