

Certificate No. 24PTP_0104240313

Page 1 of 2

Certificate of Calibration

EQUIPMENT : CENTRIFUGES, TABLETOP, LOW-SPEED

ID CODE : PTP03736 MANUFACTURER : YINGTAI

MODEL : TD5

SERIAL No. : 24122010687

LOCATION : Bone & Joint

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.

_____ Approved by : ____ KANITTHA SRIPRAPAD

PHUWASIN YIWKIM

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CONDITION OF THIS RESULT OF TEST

Performed by:

1. REFERENCE STANDARD INSTRUMENT:

MASTER MANUFACTURER MODEL SERIAL NO. CERTIFICATE NO. DUE DATE **PLT200** 23E1911 7 Jun 2024 Digital Tachometer Monarch 1837601 **FBT** JS-7065 23E1912 7 Jun 2024 Stop watch

2. THIS CERTIFICATION IS TRACEABLE TO:

- Technology Promotion Association (Thai-Japan)
- 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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Page 2 of 2

Calibration Report

EQUIPMENT : CENTRIFUGES, TABLETOP, LOW-SPEED

ID CODE : PTP03736

MANUFACTURER : YINGTAI

MODEL : TD5

SERIAL No. : 24122010687

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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Speed								
UUC* Setting	Standard Reading	Error	% Error	Uncertainty				
(RPM)	(RPM)	(RPM)	(%)	(RPM)				
1000	1,007.88	7.88	0.79	± 3.8423				
2000	1,999.63	-0.38	-0.02	± 9.5555				
3000	2,948.25	-51.75	-1.73	± 48.3180				
4000	3,952.83	-47.18	-1.18	± 11.4537				

Timer								
UUC* Setting	Standard Reading	Error	% Error	Uncertainty				
(sec.)	(sec.)	(sec.)	(%)	(sec.)				
300	300.00	0.00	0.00	± 3.4642				
600	600.00	0.00	0.00	± 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%

FI-BME-NHS-CP-076/1 Rev.03 Page 2/2 Issued Date 20/07/2023