TECHNOLOGY PROMOTION ASSOCIATION (THAILAND-JAPAN)
CORPORATE SERVICES 3: EQUIPMENT CALIBRATION AND TESTING SERVICES
534/4 PATTANAKARN ROAD SOI 18, SUANLUANG, SUANLUANG, BANGKOK 10250
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NSC-TISI-TIS17025
CALIBRATION 0008

Certificate of Calibration

Certificate No. : 23E1912
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Equipment : Quartz Stop Watch
Manufacturer: FBT
Model : JS-7065
Serial No.: -
ID No.: STOW002
Condition As-Received: Used Item
Received Date: 06 June 2023
Calibration Date: 07 June 2023

Reference: 2306-0124WSC
Ambient Temperature: (23 ± 2) °C
Relative Humidity: (50 ± 10) %

Submitted by: National Healthcare Systems Co.,Ltd.
2301/2 New Petchburi Soi 47 (Soonvijai),
Bangkapi, Huaykwang, Bangkok 10310

Procedure used: Calibration were conducted using In-house calibration procedure CP-E47 According to Time base measurement method with Stopwatch calibrator. The calibration result indicates a diviation from the reference standard in seconds per day.

Condition of this result of calibration

1.Reference standards instruments :

Instrument	Model	Serial No.	Certificate No.	Due Date
1) Timometer	4500	7004217751	551220085196821	08 Jul 2023

2.This result of calibration was made on requested at the point specified by customer.

3.The certificate is valid only to the item calibrated on date and place of calibration.

4.This Certification is traceable to the International System of Unit maintained through:-

-Micro Precision Calibration Laboratory (Thailand) Co., Ltd., ANAB accredited no. Calibration AC-1969.20

Calibrated by : Wutchareeporn Wongchutikrane
Issue Date : 09 June 2023

Approved Signatory : _____

[ ] Phalinee Prabpaipal
[✓] Nuntawat Khamchai
[ ] Pornthippa Tameyakul

B 0317005

Result of calibration :- (*) Without adjustment ( ) After adjustment

Measured Value	Uncertainty
(s/day)	(± s/day)
0.07	0.17

Equation for calculation.

$$\text{Actual time (s)} = \left\{ \left(\frac{\text{Measured Value (s)}}{\text{86,400 (s)}} \right) \text{x Time (s)} \right\} + \text{Time (s)}$$

$$\text{Uncertainty (s)} = \left(\frac{\text{Uncertainty (s)}}{\text{86,400 (s)}} \right) \text{x Time (s)}$$

Note . 86,400 seconds is the time in a day.

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 %, but excluding the effects of display resolution of Quartz Stop Watch.

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