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. : 19M1769

Equipment : Standard Weight Set
Manufacturer: LS
Model : -
Serial No.: -
ID No.: 198000074483
Condition As-Received: Used Item
Received Date: 17 June 2019
Calibration Date: 10 July 2019

Reference: 1906-0641DTC
Ambient Temperature: (23 ± 2) °C
Relative Humidity: (50 ± 15) %
Atmospheric Pressure: 1008 mbar

Submitted by: Medical Devices Division,Faculty of Medicine Siriraj Hospital,
Mahidol University 2 Prannok Rd.,Bangkoknoi Bangkok 10700

Procedure used: Calibration were conducted using in-house calibration procedure CP-M01 according to comparison method against standard weights on the basis of weighings at an average air density of 1.2 kg/m³ and a temperature of 22.75 °C material density of weight is 8000 kg/m³.

Condition of this result of calibration

1.Reference standards instuments :

Instrument	Model	Serial No.	Certificate No.	Due Date
1) Standard Weight Set (E2)	73336	20026	MM-0011-18	02 Feb 2020
2) Standard Weight Set (E2)	73338	20028	MM-0012-18	29 Jan 2020

2.This certificate is not certified for any commercial transaction.

3.This result of calibration was found accurate as shown on date and place of calibration only.

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

-National Institute of Metrology Thailand (NIMT)

Calibrated by : Sattawat Paowmanee
Issue Date : 12 July 2019

Approved Signatory : S. Sura

[ ] Phalinee Prabpaipal
[✓] Sura Suwannasri
[ ] Chaowalit Rittirak

B 0205298

Result of calibration

Nominal Value	Conventional mass		Uncertainty of Measurement (±)	Maximum Permissible error (±)
	Before Adjustment	After Adjustment		
2 kg	2.0000020 kg	-	3.0 mg	10 mg
2 kg•	2.0000044 kg	-	3.0 mg	10 mg
1 kg	1.0000004 kg	-	1.6 mg	5.0 mg
500 g	500.0012 g	-	0.80 mg	2.5 mg
200 g	200.00017 g	-	0.30 mg	1.0 mg
200 g•	200.00047 g	-	0.30 mg	1.0 mg
100 g	100.00014 g	-	0.16 mg	0.50 mg
50 g	50.00011 g	-	0.10 mg	0.30 mg
20 g	20.000143 g	-	0.080 mg	0.25 mg
20 g•	20.000157 g	-	0.080 mg	0.25 mg
10 g	10.000026 g	-	0.060 mg	0.20 mg
5 g	5.000116 g	5.000101 g	0.050 mg	0.16 mg
2 g	2.000090 g	2.000014 g	0.040 mg	0.12 mg
2 g•	2.000085 g	1.999964 g	0.040 mg	0.12 mg
1 g	1.000032 g	-	0.030 mg	0.10 mg
500 mg	500.028 mg	-	0.025 mg	0.080 mg
200 mg	200.010 mg	-	0.020 mg	0.060 mg
200 mg•	200.010 mg	-	0.020 mg	0.060 mg
100 mg	99.995 mg	-	0.016 mg	0.050 mg

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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