METROLOGY SYSTEM (THAILAND) CO.,LTD.

Certificate of Calibration

Certificate Number : SPR23080013-1 Page : 1 of 3

Customer : PMJ Testing & Engineering Co.,Ltd
11/13 Soi Udomsuk, Watkodhin-Khaopai Rd., Nernpra,
Muang-Rayong, Rayong 21150 Thailand

Equipment Name : Crane Scale

Manufacturer : Zepper

Model : N/A

Serial Number : A13427

ID. Number : N/A

Environmental Conditions

Ambient Temperature	: 23 °C ± 2 °C	Received Date	: 01 Aug 2023
Relative Humidity	: 50 % ± 15 %	Calibration Date	: 02 Aug 2023
Location of Calibration	: In-Lab	Recommend Due Date	: 02 Aug 2024
Calibration Procedure	: SP-CPM-04-08	Date of Issue	: 03 Aug 2023

Method of Calibration

This certifies that the above instrument was calibrated in compliance with the calibration system requirement of ISO/IEC 17025:2017 in accordance with reference procedure. Standards used to perform this calibration are certified by to NIST or equivalent, National metrology institute, Natural physical constants, consensus standards. The result reported herein apply only to the calibration of the item described above as received.Our decision rule is to contact the customer if the item pass and fail calibration when the results include the uncertainties and the customer must determine if the results meets their needs.

Calibrated by : Mr.Chatchai Kittisopha
Calibration Officer

Approved by :
(Mr.Prayoon Topart)
Authorized Signatory

69/29 Moo 1 Klongsi Klongluang Pathumthani 12120 (Thailand) Tel: (662) 193-2220 5 อีเมล์ www.สอบเทียบเครื่องมือวัด.com

Calibration Report

Certificate Number : SPR23080013-1

Reference Standards

Equipment Name	Model	Serial No.	Certificate No.	Due. Date
Standard Load Cell	CLP-1MNB	ACI170066	F2307001S	06 Jul 2024

Traceability

This certification is traceable to the International System of Unit maintained at :

TCS -Thai Calibration Service Co;Ltd.

METROLOGY SYSTEM (THAILAND) CO.,LTD.

Result of Calibration

Certificate Number : SPR23080013-1

Calibration Range : 0 kg to 10000 kg

Capacity : 10000 kg

Calibration mode : Tensile Testing Machine

Resolution : 5 kg

Tension

Unit : kg

	Indicated Force (Fi)	UUC Reading				Average	(±) Expanded Uncertainty	
		Increase			Decrease			
		F1	F2	F3	F'		(%)	(kg)
	1000	1000	1000	1000	1000	1000	0.19	1.9
	2000	2000	2000	2000	2000	2000	0.16	3.2
	3000	3000	3000	3000	3000	3000	0.16	4.8
*	4000	4000	4000	4000	4000	4000	0.16	6.4
*	5000	5000	5000	5000	5000	5000	0.16	8.0
*	6000	6000	6000	6000	6000	6000	0.16	9.6
*	7000	7005	7005	7005	7000	7005	0.16	11
*	8000	8005	8005	8005	8000	8005	0.16	13
*	9000	9005	9005	9005	9000	9005	0.16	14
*	10000	10005	10005	10005	10000	10005	0.16	16

The uncertainty evaluation has been carried out in accordance with BS EN ISO 7500-1 requirements.

Note:

The result of calibration was found accurate as show on date and place of calibration only.

This Certificate is not certified for any commercial transaction.

Calibration Marked (*) "Not ANAB Accredited " in this Certificate have been included for completeness.

Measurement Uncertainty

The reported uncertainty of measurement is the expanded uncertainty obtained by multiplying the standard uncertainty with the coverage factor k = 2.00, providing a level of confidence approximately 95%

- End of Certificate -

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