

Certificate of Calibration

Cert. No. PSYP- 24043761

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Reference No R124135826

Date of Issue 12 Jun 2024

Customer PRO LAB ENGINEERING SERVICES SDN BHD
No.21-G
Jalan Bidara 8 Saujana Utama 3
47000 Sungai Buloh
Selangor

ID: 039228

Instrument Top Pan Balance

Model NL 7017 X / 001A

Serial No 0722040129

Control No CA4623J

Equipment ID N/A

Capacity/Range 620 g

Date of Receipt 10 Jun 2024

Date of Calibration 11 Jun 2024

Recalibration Date 11 Jun 2025

(Specified by Customer) The User should be aware there are many factors may cause this instrument to drift out of calibration limits prior to the stated recalibration date.

Condition of Instrument
Before Calibration Good Physical Condition
After Calibration Calibrated and Serviceable

Location of Calibration In-situ

Calibration Environment $(29.4 \pm 0.6) ^\circ\text{C}$, $(42 \pm 4) \% \text{rh}$

Calibration Method LCP 01301

Reference Standard Used

Reference Instrument	Equipment ID	Control No	Certificate No	Traceable to	Due Date
Standard Weight	PH-SM-SW15	C2170G	PSYP-24018570	NMIM	11 Mar 2025

Calibrated By

Muhammad Iqbal Bin
Mohammad Fuad

Approved Signatory

Tamilselvam A/L Chinayah

The reported expanded measurement uncertainty is stated as the standard measurement uncertainty multiplied by the coverage factor k such that the coverage probability corresponds to approximately 95%

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TRESICAL (MALAYSIA) SDN. BHD.

Certificate of Calibration

Control No. CA4623J

Cert. No. PSYP-24043761

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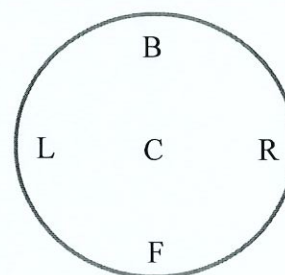
Instrument Calibrated

Resolution	0.01	g
Readability	0.01	

Specification		
Linearity	±	N/A

ACCURACY TEST		LINEARITY TEST	
REFERENCE WEIGHT	UUT READ	CORRECTION BEFORE ADJUST	CORRECTION AFTER ADJUST
0.00	0.00	0.00	-
1.00	1.00	0.00	-
10.00	10.00	0.00	-
50.00	50.00	0.00	-
100.00	100.00	0.00	-
200.00	200.00	0.00	-
300.00	300.00	0.00	-
400.00	400.00	0.00	-
500.00	500.00	0.00	-
600.00	600.00	0.00	-
Measurement Uncertainty ±		0.01 g	k = 2

OFF CENTER TEST		REPEATABILITY TEST
POSITION	g	
CENTER -C	200.00	1 standard Deviation 0.00
FRONT -F	200.02	
BACK -B	199.96	
RIGHT -R	200.00	3 standard Deviation 0.00
LEFT-L	200.00	
OFF CENTER ERROR	0.06	



Off center test position

Info 1 : True Reading = UUT Reading + Correction

Info 2 : UUT - Unit Under Test

Info 3 : Refer to 'Correction After Adjust' if adjusted. Otherwise refer 'Correction Before Adjust' if not adjusted. '-' mean not adjust.

Info 4 : If the correction is out of user specification, in order to meet the specification the user shall apply correction to derive true value.

Info 5 : Calibration Curve can be derive by interpolation the calibration point, the interpolation point is valid through the linearity of curve.

Info 6 : Uncertainty - Parameter, associated with the result of measurement, that characterises the dispersion of the value that reasonably be attributed to the measurand.

ACCEPTABLE TO USE

Izatul Azira

Lab Manager/Approved Signatory
PRO LAB ENGINEERING SERVICES SDN BHD

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