Trescal
| CALIBRATION SOLUTIONS TO IMPROVE YOUR PERFORMANCE |

ilac-MRA STANDARDS MALAYSIA ACCREDITED
SAMM 011

Certificate of Calibration

Cert. No. PSYP- 23048394

Reference No	R123107865
Date of Issue	11 Jul 2023
Customer	PRO LAB ENGINEERING SERVICES SDN BHD No.21-g Jalan Bidara 8 saujana utama 3 47000 Sungai Buloh Selangor
ID: 039228	
Instrument	Standard Weight
Model	N/A
Serial No	N/A
Control No	CA9989J
Equipment ID	N/A
Capacity/Range	200 g
Date of Calibration	11 Jul 2023
Recalibration Date (Specified by Customer)	Customer to Determine 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	Trescal Laboratory
Calibration Environment	(23 ± 2) °C, (55 ± 10) %rh
Calibration Method	LCP 01305

Reference Standard Used

Reference Instrument	Equipment ID	Control No	Certificate No	Traceable to	Due Date
Weighing Comparator	PH-M-WC2	C6868	PSYP-22086694	NMIM	06 Dec 2023
Standard Weight	PH-M-SW1	CI0077	PSYP-23038821	NMIM	07 Jun 2024

Calibrated By

Nurzulaiha Binti Ahmad

Approved Signatory

Fatimah Binti Azlan

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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Instrument Calibrated

Class : F2	Material : Stainless Steel	Pieces : 1

ACCURACY TEST					
REMARK	NOMINAL VALUE	CONVENTIONAL VALUE		UNCERTAINTY (±) k = 2	MPE (F2) (±)
		AFTER ADJUST	BEFORE ADJUST		
	200 g	-	200.00073 g	0.00100 g	0.00300 g

Info :

1. Nominal Value ~ A value use to designate a characteristic of a device or to give a guide to its intended use.

2. Conventional Value ~ The conventional mass value represents the mass value a weight of density 8000 kg/m³ which it air of density of 1.2 kg/m³ , would balance the weight being calibrated.

3. Uncertainty ~ Estimated amount by which the observed or calculated value of a quantity may depart from the true value.

4. Before Adjust ~ Values found during initial calibration. '-' mean no adjustment.

5. Class ~ A class of weight which meet certain metrological requirements intended to keep the errors within specified limits.

6 .MPE ~ Maximum Permissible Error. MPE with reference to OIML R111-1:2004(E).

ACCEPTABLE TO USE

Izatul Azira
Lab Manager
Pro Lab Engineering Services Sdn Bhd

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