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Certificate of Calibration

Reference No

R123107713

Cert. No. PSYP- 23048519

Date of Issue

11 Jul 2023

Customer

PRO LAB ENGINEERING SERVICES SDN BHD

No.21-g

ID: 039228

Jalan Bidara 8 saujana utama 3

47000 Sungai Buloh

Selangor

Instrument

Water Bath

Model Serial No NL 2008/002 0222040072

Control No

CA6301J

Equipment ID

N/A

Capacity/Range

Max. 100 °C

Date of Receipt

05 Jul 2023

Date of Calibration

10 Jul 2023

Recalibration Date

Customer to Determine

(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 as Requested by Customer

Location of Calibration

Calibration Environment

(30 ± 1) °C, (50 ± 2) %rh

Calibration Method

LCP 01102 TIONS TO IMPROVE YOUR PERFORMANCE

Reference Standard Used Reference Instrument

Temperature Recorder With Sensor

Equipment ID PH-ST-RW18

Control No

Certificate No

Traceable to

Due Date

C0002PS

PSYP-22051004

NMIM,NMIA

18 Aug 2023

Calibrated By

Muhammad Igbal Bin

Approved Signatory

Tamilselvam A/L Chinayah

Mohammad Fuad

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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Certificate of Calibration

Control No. CA6301J

Cert. No. PSYP-23048519

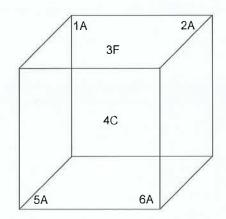
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Instrument Calibrated

Set	Resolution	0.1	°C				
	Readability	0.1	C				
Calibration Area: 10% away from internal walls							

ACCURACY TEST							
Set Temperature	37.8	60.0					
Indicated Enclosure Temperature	37.8	60.0					
Measured Enclosure Temperature	38.5	60.3					
Spatial Variation	0.8	0.5					
Temporal Variation	0.4	0.2					
Overall Variation	1.0	0.7					
Tolerance ±	0.5	0.4					

MAPPING			Measured Value			
Enclosure	ы	1	Back	38.2	60.1	
Position	Position	2	Ba	38.1	60.1	
Code		3	nter	38.6	60.4	
-41 * C *247	Enclosure	4	Cente	38.6	60.5	VOLIR R
Center	90	5	Front	38.9	60.5	
* A *	ᇤ	6	Ą.	38.4	60.0	
Corner						
F	asurer	surement Uncertainty				
Center of Face	±	0.6	°C		k =	2



Info 1 : Set Temperature ~ Temperature Controller Setting.

Info 2: Indicated Enclosure Temperature ~ Temperature Indicator of Enclosure.

Info 3: Measured Enclosure Temperature ~ Mid-range value of the temperature obtained from all relevant sites within the enclosure.

Info 4: Spatial Variation ~ Difference between the mid-range of all measured temperature obtained at one site and at another site for those sites which give the greatest difference.

Info 5: Temporal Variation ~ Maximum value of the temperature range obtained for each standard site throughout the test interval.

Info 6 : Overall Variation ~ The maximum variation of measure temperature in the working space.

ACCEPTABLE TO USE

Izathe Azira
Lab Manager
Pro Lab Engineering Services Sdn Bhd

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