

## Certificate of Calibration

Reference No R122075556

Cert. No. PSYP- 22039111

Date of Issue 17 Jun 2022

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Customer PRO LAB ENGINEERING SERVICES SDN BHD  
No.21-g  
Jalan Bidara 8 saujana utama 3  
47000 Sungai Buloh  
Selangor



Instrument Hydrometer

Model G H ZEAL LTD

Serial No 18/646204

Control No CA0508F

Equipment ID N/A

Capacity/Range 0.995 g/mL to 1.038 g/mL

Date of Calibration 17 Jun 2022

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 and Serviceable

Location of Calibration Trescal Laboratory

Calibration Environment (23 ± 2) °C, (55 ± 10) %rh

Calibration Method LCP 02101

### Reference Standard Used

Reference Instrument	Equipment ID	Control No	Certificate No	Traceable to	Due Date
Density Hydrometer	PH-DY-HY33	C9800L	NMIM-5124-T-21	NMIM	07 Dec 2023
Density Hydrometer	PH-DY-HY7	CU7598	NMIM-5123-T-21	NMIM	30 Nov 2022
Thermometer With Sensor	PH-V-TS2	CW2222	PSYP-21087201	NMIM	29 Dec 2022

Calibrated By

Nor Azfa Azlinda Binti Salleh

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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TRESCAL (MALAYSIA) SDN. BHD.

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### Instrument Calibrated

Range	0.995 to 1.038	g/mL
Resolution	0.001	

ACCURACY TEST			
REFERENCE READ	UUT READ	CORRECTION	SPECIFICATION (±)
0.9950	0.9958	-0.0008	N/A
1.0165	1.0172	-0.0007	
1.0375	1.0380	-0.0005	
Measurement Uncertainty =		0.0006 g/mL	k = 2

Remark : ( \*) mean out of specification

Info :

1. Actual Reading ~ UUT read + Correction
2. Uncertainty ~ Parameter, associated with the result of a measurement, that characterizes the dispersion of the values that could reasonably be attributed to the measurand.
3. The calibration was done at the temperature of ( 23 ± 2 °C ) and corrected to the standard temperature of hydrometer.

ACCEPTABLE TO USE



Izatul Azira  
Lab Manager  
Pro Lab Engineering Services Sdn Bhd

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