

## Certificate of Calibration

Cert. No. PSYP- 24058883

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Reference No R124140719  
Date of Issue 06 Aug 2024  
Customer PRO LAB ENGINEERING SERVICES SDN BHD  
ID: 039228 No.21-G  
Jalan Bidara 8 Saujana Utama 3  
47000 Sungai Buloh  
Selangor

Instrument Test Sieve  
Model NL SCIENTIFIC  
Serial No 22071407  
Control No CA5590F  
Equipment ID N/A  
Capacity/Range 425  $\mu$ m

Date of Receipt 02 Aug 2024  
Date of Calibration 06 Aug 2024  
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 (20.0  $\pm$  1.0)  $^{\circ}$ C, (55  $\pm$  15) %rh  
Calibration Method LCP 01430

## Reference Standard Used

Reference Instrument	Equipment ID	Control No	Certificate No	Traceable to	Due Date
Profile Projector	PH-DS-PP1	CA04020	PSYP-23073126	NMIM	13 Oct 2024

Calibrated By

Siti Nadia Binti Mohd Mahadi

Approved Signatory

Aida Binti Ismail

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%

This certificate is issued in accordance with the laboratory accreditation requirements of Skim Akreditasi Makmal Malaysia (SAMM) of Standards Malaysia which is a signatory to the ILAC MRA. It provides traceability of measurement to the SI system of units and/or to units of measurement realised at the National Metrology Institute of Malaysia (NMIM) and other recognised national metrology institutes. Copyright of this certificate is owned by the issuing laboratory and may not be reproduced other than in full except with the prior written approval of the Head of the issuing laboratory.

TRESICAL (MALAYSIA) SDN. BHD.

## Certificate of Calibration

Control No. CA5590F

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### Instrument Calibrated

TYPE OF TEST SIEVE	WOVEN WIRE CLOTH	
NOMINAL APERTURE SIZE	425	$\mu\text{m}$

ACCURACY TEST					
APERTURE SIZE		NOMINAL VALUE	REFERENCE MEASURED VALUE	DEVIATION FROM NOMINAL	SPECIFICATION ±
AVERAGE	WARP	425	420.7	-4.3	± 14.0
	WEFT		425.6	0.6	
MAXIMUM STANDARD DEVIATION	WARP	-	9.0	-	26.8 MAX
	WEFT		8.8	-	
Measurement Uncertainty = 2.1 μm					k = 2

Remark : ( \* ) mean Out of Specification

#### Info :

1. Aperture Size : Dimension defining an opening in a sieving medium.
2. Aperture Size Average : Average size of the aperture of the woven wire cloth.
3. Warp : All wires running lengthwise of the cloth as woven ; Weft : All wires running crosswise of the cloth as woven.
4. Aperture Size Maximum Standard Deviation : calculated from the measurement of the number of apertures.
5. 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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