

Certificate of Calibration

Cert. No. PSYP- 24058887

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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	22071410
Control No	CA5595F
Equipment ID	N/A
Capacity/Range	600 μ 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

<u>Reference Instrument</u>	<u>Equipment ID</u>	<u>Control No</u>	<u>Certificate No</u>	<u>Traceable to</u>	<u>Due Date</u>
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.

TRESCAL (MALAYSIA) SDN. BHD.

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Control No. CA5595F

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Instrument Calibrated

TYPE OF TEST SIEVE	WOVEN WIRE CLOTH	
NOMINAL APERTURE SIZE	600	µm

ACCURACY TEST					
APERTURE SIZE		NOMINAL VALUE	REFERENCE MEASURED VALUE	DEVIATION FROM NOMINAL	SPECIFICATION ±
AVERAGE	WARP	600	603.3	3.3	± 19.0
	WEFT		602.5	2.5	
MAXIMUM STANDARD DEVIATION	WARP	-	10.4	-	34.0 MAX
	WEFT		10.4	-	
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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TRESCAL (MALAYSIA) SDN. BHD.

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www.trescal.com LQP 00115_APA / 01 July 2023