Trescal
| CALIBRATION SOLUTIONS TO IMPROVE YOUR PERFORMANCE |

ilac-MRA STANDARDS MALAYSIA ACCREDITED
SAMM 011

Certificate of Calibration

Cert. No. PSYP- 24058885

Reference No	R124140719
Date of Issue	06 Aug 2024
Customer	PRO LAB ENGINEERING SERVICES SDN BHD No.21-G Jalan Bidara 8 Saujana Utama 3 47000 Sungai Buloh Selangor
ID: 039228	
Instrument	Test Sieve
Model	NL SCIENTIFIC
Serial No	22071402
Control No	CA5591F
Equipment ID	N/A
Capacity/Range	212 µm
Date of Receipt	02 Aug 2024
Date of Calibration	06 Aug 2024
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	Sieve bent
After Calibration	Calibrated and Serviceable
Location of Calibration	Trescal Laboratory
Calibration Environment	(20.0 ± 1.0) °C, (55 ± 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%

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Certificate of Calibration

Control No. CA5591F

Cert. No. PSYP-24058885

Instrument Calibrated

TYPE OF TEST SIEVE	WOVEN WIRE CLOTH	
NOMINAL APERTURE SIZE	212	µm

ACCURACY TEST					
APERTURE SIZE		NOMINAL VALUE	REFERENCE MEASURED VALUE	DEVIATION FROM NOMINAL	SPECIFICATION ±
AVERAGE	WARP	212	214.6	2.6	± 7.8
	WEFT		213.1	1.1	
MAXIMUM STANDARD DEVIATION	WARP	-	4.8	-	16.9 MAX
	WEFT		7.1	-	
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 Maximun 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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