

NAVASHVAR CALIBRATION SERVICES

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NAVASHVAR



CC-3145

CALIBRATION CERTIFICATE

Page 01 of 01

Customer Name and Address: M/s. ARUNA DIAGNOSTIC CENTRE No: 657/3 NH.45, Trichy Main Road, Veppur-606304.	Certificate No : CC-23/24-S-011/03 SRF No : SRF-23/24-S-011 Date of Receipt : 21/04/2023 Date of Calibration : 21/04/2023 Due Date of Calibration : 20/04/2024 Date of Issue : 24/04/2023	ULR Number: CC314523000001595F
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Details of Unit Under Calibration	
Description : Micropipette Make : S Sciences Range : 100 to 1000 µl Resolution : 1 µl Serial Number : SADC-003 Instrument Location : --	Model : NA ID.No : -- Condition of UUC : Good Calibrated At : Lab

Details of Reference Standard			
SI.No.	Description	ID.No/Sr.No	Certificate Number
1	Weighing Balance	NCS/WB01	TSC/22-23/4124-1
			Validity 09/06/2023

Environmental Condition			Reference Standard	
Temperature (°C)	27±3	Atmospheric Pressure (mbar)	1004	ISO 8655-6
Humidity (%RH)	45 to 80	Water Temperature (°C)	27.3	Calibration Procedure V-01
			Calibrated By	M. Hemamalini

Calibration Results

Results of Calibration in µl							Z Factor : 1.0048			
SI.No.	Nominal Value	Observed Reading					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	100	100.51	100.52	100.53	100.49	100.50	100.51	0.51	0.02	0.39
		100.49	100.52	100.54	100.49	100.50				
2	500	500.95	501.15	501.03	500.95	500.74	500.86	0.86	0.20	1.2
		500.55	500.60	501.04	500.71	500.87				
3	1000	1001.94	1000.96	1001.82	1001.92	1000.87	1001.52	1.52	0.52	1.2
		1001.95	1001.98	1000.89	1001.93	1000.96				

Note:

- The Standards used are traceable to National / International Standards.
- This Certificate refers only to the item calibrated and shall not be reproduced in full without the written approval of the issuing laboratory.
- This Certificate is not valid unless it is signed by the authorized signatory.
- Next Calibration due date mentioned as per customer requirement.
- The result is valid at the time of and under the stated conditions of measurement.
- The measurement confidence level is 95.45% with coverage factor K=2.
- UUC stands for Unit Under Calibration.
- Calibration Liquid Used: Distilled or Deionized water conforming Grade3 as specified in ISO 3696
- The Decision Rule will be applied based on the statement of conformity requested by the customer.



Authorised Signatory

A. Saranraj

A. Saranraj
Technical Manager