

NAVASHVAR CALIBRATION SERVICES

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NAVASHVAR

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CC-3145

CALIBRATION CERTIFICATE

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Customer Name and Address: M/s. SRI ARUNA COMPUTER DIAGNOSTIC CENTRE No: 657/3 NH.45, Trichy Main Road, Veppur-606304.		Certificate No : CC-23/24-S-011/01 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: CC314523000001593F
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Details of Unit Under Calibration			
Description : Micropipette	Model : MK432859	Make : Brand	ID.No : NA
Range : 5 to 50 µl	Condition of UUC : Good	Resolution : 1 µl	Calibrated At : Lab
Serial Number : SADC-001	Operating Range : --	Instrument Location : --	

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

Environmental Condition				Reference Standard	
Temperature (°C) : 27±3	Atmospheric Pressure (mbar) : 1005	Reference Standard : ISO 8655-6		Calibration Procedure : V-01	
Humidity (%RH) : 45 to 80	Water Temperature (°C) : 27.5	Calibrated By : M. Hemamalini			

Calibration Results

Results of Calibration in µl									Z Factor : 1.0041	
Sl.No.	Nominal Value	Observed Reading					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	10	10.02	9.96	10.00	9.99	10.01	9.99	-0.01	0.02	0.39
		9.97	10.00	9.98	9.96	9.99				
2	30	30.00	30.01	29.99	30.04	30.03	30.02	0.02	0.03	0.39
		30.09	30.01	29.99	30.00	29.99				
3	50	49.88	49.86	49.81	49.88	49.82	49.87	-0.13	0.05	0.39
		49.90	49.96	49.91	49.85	49.80				

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