

NAVASHVAR CALIBRATION SERVICES

No. 303, Anand Building, Room No: 09, First Floor,
Poonamallee High Road, Kilpauk, Chennai -600 010.

Ph : +91-9087221939, 9791503514.

E-mail: navashvar.info@gmail.com, Website : www.navashvar.com



CC-3145



CALIBRATION CERTIFICATE

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ULR Number: CC314523000001594F

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-011/02
	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

Details of Unit Under Calibration

Description	: Micropipette	Model	: NA
Make	: Autoclavable	ID.No	: --
Range	: 100 to 1000 µl	Condition of UUC	: Good
Resolution	: 1 µl	Calibrated At	: Lab
Serial Number	: SADC-002		
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	ISO 8655-6
Temperature (°C)	27±3	Atmospheric Pressure (mbar)	1007	Calibration Procedure	V-01
Humidity (%RH)	45 to 80	Water Temperature (°C)	27.2	Calibrated By	M. Hemamalini

Calibration Results

Results of Calibration in µl										Z Factor : 1.0048
Sl.No.	Nominal Value	Observed Reading					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	100	99.93	99.86	99.96	99.85	99.91	99.90	-0.10	0.05	0.39
		99.83	99.95	99.96	99.90	99.91				
2	500	500.23	500.17	499.62	499.77	499.92	499.91	-0.09	0.19	1.2
		499.83	499.77	499.86	499.94	500.00				
3	1000	1002.02	1002.70	1002.14	1002.44	1001.95	1002.23	2.23	0.22	1.2
		1002.35	1002.20	1002.10	1002.17	1002.25				

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

Document Number: NCS-L04-R42

--- End of Certificate ---