

# NAVASHVAR CALIBRATION SERVICES

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Customer Name and Address:		M/s. ARUNA DIAGNOSTIC CENTRE No: 657/3 NH.45, Trichy Main Road, Vepur-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	
Make	: Autoclavable	
Range	: 100 to 1000 µl	
Resolution	: 1 µl	
Serial Number	: SADC-002	
Instrument Location	: --	
Model	: NA	
ID.No	: --	
Condition of UUC	: Good	
Calibrated At	: Lab	

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

Environmental Condition		Reference Standard	ISO 8655-6
Temperature (°C)	27±3	Calibration Procedure	V-01
Atmospheric Pressure (mbar)	1007	Calibrated By	M. Hemamalini
Water Temperature (°C)	27.2		
Humidity (%RH)	45 to 80		

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	2	3	4	5				
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. Saranaj

Technical Manager