



## CALIBRATION CERTIFICATE

Certificate No: SBS/CL/22-23/03297

Page No: 1 of 1

KUMARAN DIAGNOSTIC CENTRE, NO-3,NATTAR STREET,DHANDEESWARAM BUS STOP, VELACHERY,CHENNAI-600 042.	SRF No.	SBS/SRF/22-23/0049-007
	SRF Date	29-04-2022
	Date of Receipt	29-04-2022
	Date of Calibration	30-04-2022
	Due Date for Calibration	29-04-2023
	Issue Date	30-04-2022

**Details of Unit Under Calibration**

Description	Micro Pipette	Make	NA
Range	100-1000µl	Model	NA
Resolution	5 µl	Material	PVC
Serial Number	YESK106514	Operating Range	100-1000µl
ID Number		Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LAB

Environmental Condition				Calibration Method Used	
Temperature (°C)	23.9	Humidity (%RH)	55	National / International Standard	ISO 8655-6:2002
Atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.6	Cal Procedure No	SBS/CP/ML/08

**Standard Used**

SI. No.	Description	ID.No. / SI. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Semi Micro Balance	15112918	TVCSPL21/12/1587-01	A&D & GH-252	National Standards	10-12-2022

**Z Factor: 1.00319**

Result of Calibration in µl										
SI. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	100	99.65	99.67	99.64	99.65	99.63	99.72	-0.28	0.09	0.47
		99.63	99.83	99.82	99.83	99.82				
2	500	499.75	499.76	499.74	499.76	499.77	499.75	-0.25	0.01	0.47
		499.75	499.74	499.75	499.76	499.76				
3	1000	999.56	999.54	999.53	999.56	999.53	999.53	-0.47	0.02	0.47
		999.52	999.51	999.54	999.53	999.52				

**Remarks**

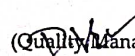
1. This Calibration certificate shall not be reproduced except in full, without written approval of the laboratory.
2. The user should determine the suitability of the instrument for its intended use.
3. The recalibration interval should be determined on the user requirement.
4. The results stated in this certificate relate only to the item calibrated.
5. Equipment used for Calibration were calibrated & traceable to National & International Standards
6. The indicated uncertainties are expanded uncertainty estimated for a confidence level of approximately 95% for a coverage factor k=2.00 .
7. Calibration Liquid Used: Distilled or Deionized water conforming Grade3 as specified in ISO 3696.

Checked & Issued by:

  
 (Calibration Engineer)  
 M.BALAJI



Authorised by:

  
 (Quality Manager/Chief Executive)  
 D.VETRI SELVI