





CALIBRATION / SALES / SERVICE / VALIDATION / MANUFACTURING

## **CALIBRATION CERTIFICATE**

Certificate Number :		MED/R/171	Date of issue:		26/Sep/23	
ULR No.		CC353523000000171F	Job Order/ CRF No.	:	MED/R/171	
Calibration Date		25/Sep/23	Calibration Due		24/Sep/24	
	CUSTOME	ER INFORMATION	UNI	UNIT UNDER CALIBRATION		
<b>&gt;</b> T	C. A.D		Description	Micropipette		
Name Govt Primary Health Centre			Range / Resolution	.10-100/ 0.1µl		
Address	ddress kanjikovil		Make	Thermo scientific		
Erode			Model	F3		
			Serial No.		RW10913	
			Identification No		ID-01	
Date of Receipt 22-Sep-23		Location	Lab			
F	ENVIRONM	ENTAL CONDITION	MAST	MASTER EQUIPMENT DETAILS		
Temperature		25 °C	Description	Е	Electronic Weighing Balance	
Humidity		55 °C	Certificate No	CC214423000001642F		
Air Pressure		1010 mbar	Identification No	MEDEX-01		
		A	Calibration Due	31-04-2024		
			Traceability	National Standard		

## **CALIBRATION RESULTS**

Discipline: Mechanical - Volume

Sl. No	Nominal Value (µl)	Measured Mean Value (μl)	Systematic Error (µl)	Maximum Permissible Systematic Error ± (μl)	Expanded Uncertainity (±) μl
1	10.0	10.035 @27°C	0.035	0.12	0.30
2	50.0	50.097 @27°C	0.097	0.50	0.30
3	100.0	100.080 @27°C	0.080	0.80	0.30

Random Error: 0.076 µl @ 10 µl

Maximum Permissible Random Error:  $\pm 0.08 \mu l$ 

Random Error: 0.048 µl @ 50 µl

Maximum Permissible Random Error:  $\pm~0.2\mu l$ 

Random Error: 0.107 µl @ 100 µl

Maximum Permissible Random Error:  $\pm 0.3 \mu l$ 

## Note:

- 1. The UUC is calibrated at Lab.
- 2. This calibration certificate relates only to the UUC supplied.
- 3. Calibration certificate shall not be reproduced, except in full, without written approvel of medex labtech solutions.
- 4. Results reported are valid at the time and under stated environmental conditions of calibration.
- 5. The uncertainty of measurement is expressed at 95.45% confidence level with coverage factor k=2
- 6. This calibration certificate is issued for scientific or industrial purpose only.
- 7. Error is evaluted as (Measured Value-Nominal Value).
- 8. Unless Otherwise Specified the Measurement Data Reported is "As Found" -without any adjustment.
- 9. Next calibration due as per customer's plan and requirement.

10. Decision Rule Required: Yes.

11 . Decision Rule Statement: Pass Fail

12 . The Instrument is working with in the tolerance limit as per the Standard.

Calibrated by

VIPIN PR

Calibration Engineer

Quality Manager

**Authorised By** 

X/657/28, 2nd Floor, RP Tower, Opp. Chaldean Centre, Pallikulam Road, Thrissur, Kerala, India - 680001

Email sales@medexlabtech.com,service@medexlabtech.com Mob: +91 9037588562, 8113816000