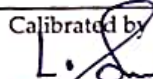
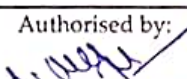


CALIBRATION CERTIFICATE

EQN/FT/7.8/01		Page 1 of 2	
CRF No.	: EQN/CRF/2304031	Date of Calibration	: 06-Apr-23
Certificate No	: 2023-24/EQN/2304031-08	Recom. Due Date	: 05-Apr-24
ULR No.	: CC276023000005054F		
Customer Details		Calibrated at	: Lab
THE MEDICAL OFFICER		Date of Receipt	: 06-Apr-23
Urban Primary Health Centre		Cond. On Receipt	: Satisfactory
Udumalapet - 642 126		Date of Issue	: 08-Apr-23
Details of UUC :			
Description	: Micropipette	Model No.	: --
Range	: 5-50 µl	Serial No	: --
Least Count	: 1µl	Identification No.	: --
Make	: Microlux	Accuracy	: As Per ISO 8655-6
Working Range	: --	Location	: Laboratory
Details of Standard Used :			
Name	Certificate No.	Valid upto	Traceability
Electronic SemiMicro Balance	2022-23/EQN/2205021-02	08-May-23	EQN, Chennai.
CP No.	: EQN/CP/MS-03	Reference Standard : ISO 8655-6	
Environmental Details	: Temperature : 25±2°C	Relative Humidity : 50±10 % RH	
MECHANICAL CALIBRATION			
(Volume)			
Calibration Results			
1. Lower Volume :	5 µl	No. of Measurements :	10
<input type="text" value="5.05"/>	<input type="text" value="5.04"/>	<input type="text" value="5.02"/>	<input type="text" value="5.00"/>
<input type="text" value="4.98"/>	<input type="text" value="5.01"/>	<input type="text" value="5.00"/>	<input type="text" value="4.99"/>
<input type="text" value="5.00"/>	<input type="text" value="5.05"/>		
Mean Value :	5.01 µl		
Error Limits(±)			
Systematic Error :	0.01 µl	0.13 µl	
Systematic Error :	0.22 %	2.50 %	
Random Error :	0.03 µl	0.08 µl	
Random Error :	0.50 %	1.50 %	
Measurement Uncertainty :	± 0.37 µl		

 Calibrated by :

L. SALAMON
 (Calibration Engineer)

 Authorised by:

V. RAJKARTHICK
 (QM)

CALIBRATION CERTIFICATE



CC-2760

CRF No. : EQN/CRF/2304031
 ULR No. : CC276023000005054F

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MECHANICAL CALIBRATION
(Volume)

Calibration Results

2. Middle Volume :

25 μ l

No. of Measurements : 10

25.12	25.11	25.10	25.04
25.09	24.98	25.09	25.05
25.09	25.01		

Mean Value : 25.07 μ lError Limits(\pm)

Systematic Error :	0.07	μ l	0.20	μ l
Systematic Error :	0.28	%	1.00	%
Random Error :	0.05	μ l	0.10	μ l
Random Error :	0.19	%	0.50	%

Measurement Uncertainty : \pm 0.37 μ l

3. Nominal Volume :

50 μ l

No. of Measurements : 10

50.19	50.26	50.28	50.27
50.23	50.25	50.26	50.27
50.26	50.29		

Mean Value : 50.25 μ lError Limits(\pm)

Systematic Error :	0.25	μ l	0.50	μ l
Systematic Error :	0.51	%	1.00	%
Random Error :	0.02	μ l	0.20	μ l
Random Error :	0.05	%	0.40	%

Measurement Uncertainty : \pm 0.37 μ l

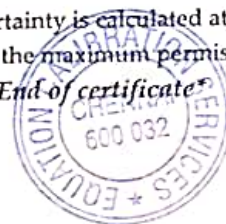
Remarks

1. The reported Expanded Uncertainty is calculated at 95% C.L with coverage factor $k=2$
2. The Above Results are within the maximum permissible Error

End of certificate

Calibrated by :

L.SALAMON
(Calibration Engineer)



Authorised by :

V. RAJKARTHICK
(QM)