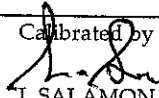
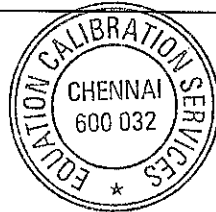
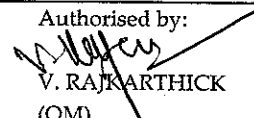


CALIBRATION CERTIFICATE

EQN/FT/7.8/01		Page 1 of 2	
CRF No.	: EQN/CRF/2209032	Date of Calibration	: 09-Sep-22
Certificate No	: 2022-23/EQN/2209032-10	Recom. Due Date	: 08-Sep-23
ULR No.	: CC276022000012667F		
Customer Details		Calibrated at	
M/s. SRI KRISHNA CLINICAL LABORATORY		: Lab	
No : 2 Karungalpatti, 2nd street, Gugai,		Date of Receipt : 09-Sep-22	
Salem- 636 006.		Cond. On Receipt : Satisfactory	
		Date of Issue : 12-Sep-22	
Details of UUC :			
Description	: Micropipette	Model No.	: --
Range	: 5 - 50µl	Serial No	: PE551490
Least Count	: 0.5µl	Identification No.	: --
Make	: Erba	Accuracy	: As Per ISO 8655-6
Working Range	: --	Location	: Lab
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="4.95"/>	<input type="text" value="4.98"/>	<input type="text" value="4.93"/>	<input type="text" value="4.97"/>
<input type="text" value="4.99"/>	<input type="text" value="5.01"/>	<input type="text" value="5.03"/>	<input type="text" value="5.05"/>
<input type="text" value="5.00"/>	<input type="text" value="5.01"/>		
Mean Value :	<input type="text" value="4.99"/> µl		
Error Limits(±)			
Systematic Error :	-0.01 µl	0.13 µl	
Systematic Error :	-0.22 %	2.50 %	
Random Error :	0.04 µl	0.08 µl	
Random Error :	0.73 %	1.50 %	
Measurement Uncertainty :	± 0.36 µl		

Calibrated by :

 L.SALAMON
 (Calibration Engineer)



Authorised by:

 V. RAJAKARTHICK
 (QM)


EQUATION CALIBRATION SERVICES PRIVATE LIMITED

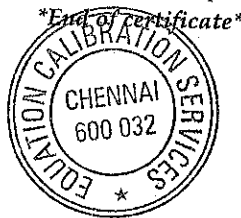
CALIBRATION CERTIFICATE

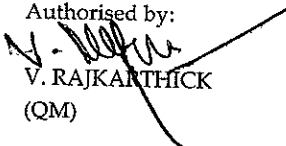
CRF No. :	EQN/CRF/2209032	Page 2 of 2
ULR No. :	CC276022000012667F	
MECHANICAL CALIBRATION		
(Volume)		
Calibration Results		
2. Middle Volume :	25 μ l	No. of Measurements : 10
25.03	25.01	25.03
25.02	25.07	25.02
25.05	25.09	25.04
25.04	25.01	25.01
Mean Value : 25.04 μ l		
Error Limits(\pm)		
Systematic Error :	0.04 μ l	0.20 μ l
Systematic Error :	0.16 %	1.00 %
Random Error :	0.03 μ l	0.10 μ l
Random Error :	0.11 %	0.50 %
Measurement Uncertainty : \pm 0.36 μ l		
3. Nominal Volume :	50 μ l	No. of Measurements : 10
50.13	50.11	50.16
50.17	50.20	50.14
50.14	50.18	50.20
50.16	50.16	50.16
Mean Value : 50.16 μ l		
Error Limits(\pm)		
Systematic Error :	0.16 μ l	0.50 μ l
Systematic Error :	0.32 %	1.00 %
Random Error :	0.03 μ l	0.20 μ l
Random Error :	0.06 %	0.40 %
Measurement Uncertainty : \pm 0.36 μ l		

Remarks

1. The reported Expanded Uncertainty is calculated at 95.45 % C.L. with coverage factor $k=2$
2. The Above Results are within the maximum permissible Error

Calibrated by:

 E.SALAMON
 (Calibration Engineer)



Authorised by:

 V. RAJKARTHICK
 (QM)

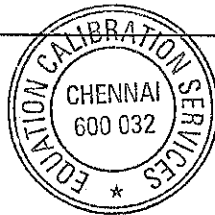
EQUATION CALIBRATION SERVICES PRIVATE LIMITED

CALIBRATION CERTIFICATE

EQN/FT/7.8/01		Page 1 of 2	
CRF No. :	EQN/CRF/2209032	Date of Calibration :	09-Sep-22
Certificate No. :	2022-23/EQN/2209032-11	Recom. Due Date :	08-Sep-23
ULR No. :	CC276022000012668F		
Customer Details		Calibrated at :	Lab
M/s. SRI KRISHNA CLINICAL LABORATORY		Date of Receipt :	09-Sep-22
No : 2 Karungalpatti, 2nd street, Gugai,		Cond. On Receipt :	Satisfactory
Salem- 636 006.		Date of Issue :	12-Sep-22
Details of UUC :			
Description :	Micropipette	Model No. :	--
Range :	10 - 100 µl	Serial No. :	YE202AMO108819
Least Count :	1µl	Identification No. :	--
Make :	Dragon Lab	Accuracy :	As Per ISO 8655-6
Working range :	--	Location :	Lab
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 :	10 µl	No. of Measurements :	10
<input type="text" value="9.98"/>	<input type="text" value="10.01"/>	<input type="text" value="10.04"/>	<input type="text" value="10.00"/>
<input type="text" value="9.96"/>	<input type="text" value="9.99"/>	<input type="text" value="10.02"/>	<input type="text" value="10.02"/>
<input type="text" value="9.97"/>	<input type="text" value="10.03"/>		
Mean Value :	10.0		µl
Error Limits(±)			
Systematic Error :	0.00	µl	0.12
Systematic Error :	0.02	%	1.20
Random Error :	0.03	µl	0.08
Random Error :	0.27	%	0.80
Measurement Uncertainty :	±	0.36	µl

Calibrated by :

L.SALAMON
(Calibration Engineer)



Authorised by:

V. RAJKARTHICK
(QM)

EQUATION CALIBRATION SERVICES PRIVATE LIMITED

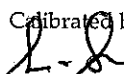
No. 5 / 3A, Poomagal Third Street, Ekkattuthangal, Ambal Nagar, Chennai - 32, Tamilnadu, India, Tel: 91-9962084985, Email: enquiry@eqnservices.com, Web: www.eqnservices.com

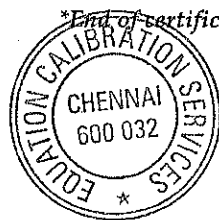
CALIBRATION CERTIFICATE


CRF No.	: EQN/CRF/2209032	Page 2 of 2												
ULR No.	: CC276022000012668F													
MECHANICAL CALIBRATION														
(Volume)														
Calibration Results														
2. Middle Volume :	50 μ l	No. of Measurements : 10												
<table border="1" style="width: 100%;"><tr><td style="width: 25%;">50.12</td><td style="width: 25%;">50.16</td><td style="width: 25%;">50.14</td><td style="width: 25%;">50.18</td></tr><tr><td>50.21</td><td>50.19</td><td>50.16</td><td>50.14</td></tr><tr><td>50.13</td><td>50.20</td><td></td><td></td></tr></table>	50.12	50.16	50.14	50.18	50.21	50.19	50.16	50.14	50.13	50.20				
50.12	50.16	50.14	50.18											
50.21	50.19	50.16	50.14											
50.13	50.20													
Mean Value :	50.2 μ l													
Error Limits(\pm)														
Systematic Error :	0.17 μ l	0.50 μ l												
Systematic Error :	0.33 %	1.00 %												
Random Error :	0.03 μ l	0.20 μ l												
Random Error :	0.06 %	0.40 %												
Measurement Uncertainty :	\pm 0.36 μ l													
3. Nominal Volume :	100 μ l	No. of Measurements : 10												
<table border="1" style="width: 100%;"><tr><td style="width: 25%;">100.31</td><td style="width: 25%;">100.27</td><td style="width: 25%;">100.23</td><td style="width: 25%;">100.27</td></tr><tr><td>100.30</td><td>100.33</td><td>100.35</td><td>100.26</td></tr><tr><td>100.32</td><td>100.32</td><td></td><td></td></tr></table>	100.31	100.27	100.23	100.27	100.30	100.33	100.35	100.26	100.32	100.32				
100.31	100.27	100.23	100.27											
100.30	100.33	100.35	100.26											
100.32	100.32													
Mean Value :	100.3 μ l													
Error Limits(\pm)														
Systematic Error :	0.30 μ l	0.80 μ l												
Systematic Error :	0.30 %	0.80 %												
Random Error :	0.04 μ l	0.30 μ l												
Random Error :	0.04 %	0.30 %												
Measurement Uncertainty :	\pm 0.36 μ l													

Remarks

1. The reported Expanded Uncertainty is calculated at 95.45 % C.L with coverage factor $k=2$
2. The Above Results are within the maximum permissible Error

Calibrated by :

L.SALAMON
(Calibration Engineer)



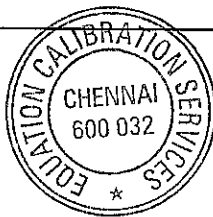
Authorised by:

V. RAJKARTHICK
(QM)

EQUATION CALIBRATION SERVICES PRIVATE LIMITED

CALIBRATION CERTIFICATE

EQN/FT/7.8/01		Page 1 of 1	
CRF No. :	EQN/CRF/2209032	Date of Calibration :	09-Sep-22
Certificate No :	2022-23/EQN/2209032-12	Recom. Due Date :	08-Sep-23
ULR No. :	CC276022000012669F		
Customer Details			
M/s. SRI KRISHNA CLINICAL LABORATORY		Calibrated at :	Lab
No : 2 Karungalpatti, 2nd street, Gugai, Salem- 636 006.		Date of Receipt :	09-Sep-22
		Cond. On Receipt :	Satisfactory
		Date of Issue :	12-Sep-22
Details of UUC :			
Description :	Micropipette	Model No. :	---
Range :	100 - 1000µl	Serial No :	PG554691
Least Count :	5µl	Identification No. :	--
Make :	Erba	Accuracy :	As Per ISO 8655-6
Working range :	---	Location :	Lab
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 :	100 µl	No. of Measurements :	10
<input type="text" value="100.04"/>	<input type="text" value="100.12"/>	<input type="text" value="99.99"/>	<input type="text" value="100.06"/>
<input type="text" value="100.10"/>	<input type="text" value="100.12"/>	<input type="text" value="100.07"/>	<input type="text" value="100.15"/>
<input type="text" value="100.11"/>	<input type="text" value="100.02"/>		
Mean Value :	<input type="text" value="100.08"/> µl		
Error Limits(±)			
Systematic Error :	0.08 µl	0.80 µl	
Systematic Error :	0.08 %	0.80 %	
Random Error :	0.05 µl	0.30 µl	
Random Error :	0.05 %	0.30 %	
Measurement Uncertainty :	±	0.36 µl	

Calibrated by :
L. Salamon
L.SALAMON
(Calibration Engineer)



Authorized by:
V. Rajkathick
V. RAJKATHICK
(QM)

EQUATION CALIBRATION SERVICES PRIVATE LIMITED

No. 5 / 3A, Poomagal Third Street, Ekkattuthangal, Ambal Nagar, Chennai - 32, Tamilnadu, India, Tel: 91-9962084985, Email: enquiry@eqnservices.com, Web: www.eqnservices.com

CALIBRATION CERTIFICATE

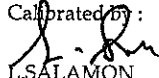
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ULR No. : CC276022000012669F

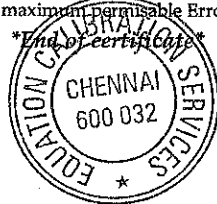
Page 2 of 2


MECHANICAL CALIBRATION					
(Volume)					
Calibration Results					
2. Middle Volume :		500 μ l		No. of Measurements : 10	
499.17	499.40	499.24	499.09		
499.31	499.34	499.44	499.32		
499.25	499.30				
Mean Value :	499.28	μ l			
Error Limits(\pm)					
Systematic Error :	-0.72	μ l	4.00	μ l	
Systematic Error :	-0.14	%	0.80	%	
Random Error :	0.10	μ l	1.50	μ l	
Random Error :	0.02	%	0.30	%	
Measurement Uncertainty :	\pm		0.36 μ l		
3. Nominal Volume :		1000 μ l		No. of Measurements : 10	
1000.30	1000.07	1000.15	999.89		
1000.00	999.76	1000.02	1000.10		
1000.17	1000.03				
Mean Value :	1000.05	μ l			
Error Limits(\pm)					
Systematic Error :	0.05	μ l	8.00	μ l	
Systematic Error :	0.01	%	0.80	%	
Random Error :	0.15	μ l	3.00	μ l	
Random Error :	0.02	%	0.30	%	
Measurement Uncertainty :	\pm		0.36 μ l		

Remarks

1. The reported Expanded Uncertainty is calculated at 95.45 % C.L. with coverage factor $k=2$
2. The Above Results are within the maximum permissible Error

Calibrated by :

L. SALAMON
(Calibration Engineer)



Authorised by:

V. RAJKARTHICK
(QM)

EQUATION CALIBRATION SERVICES PRIVATE LIMITED