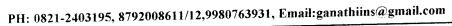


GANATHI INSTRUMENTS

NHB 8/A. KHB COLONY, HUNSUR ROAD, HOOTAGALLI MYSORE - 570018





CALIBRATION CERTIFICATE

Customer Name & Address: M/s.

Shree Raksha Labs Private Limited

#46, 17th Cross, Between Margosa Road and Sampige Road,

Malleshwaram, Banglore-560055

Customer's Reference:

ULR No: CC263322000015220F

Page No: 1 of 2

	Cal Cont Number	Calibrated On	Recommended cal due	Certificate Issued Date
SRF No	Cal Cert Number		29.07.2023	02.08.2022
576	GI/22/576-03	30.07.2022	27.07.2023	

Details of device under calibration (DUC):

		Format No	: GI/FF-20-304
DUC	: Micropipette	Cal Procedure No	: GI/CAL/304
Make / Model	: Superfit XL	DUC Received	: 28.07.2022
Range	: 100 μl to 1000 μl	DUC Condition	: Satisfactory
Lc	: 5 μl	Cal At	: Mass Lab, GI
SLNo./ ID No.	: OH514844	CarAt	

Environmental Conditions:

Temperature : 23 ± 1.5 °C

Humidity: 40 to 60 % RH

Standards used:

Standards used:						C4:Figata no	Validity	
	Sl. No.	Nomenclature	Make	Sl./ID No	Traceable to	Certificate no	- Validity	
	1	Weighing Balance	Radwag	GI/WB/01	CC-2231	TSC/21-22/13894-2	29.12.2022	
- 1	1	W 0188 =		<u> </u>				

- 1. Decision Rule has been referred from Manufacturer Specification / Data sheet or as specified by the Customer.
- 2. The Calibration Certificate relates only to the above DUC
- 3. This report refers only to the items/gauges submitted and may not be reproduced except in full without written permission from Ganathi Instruments.
- 4. Corrections/erasing, invalidate the calibration certificate
- 5. Calibration of the DUC are traceable to National standards/International Standards
- 6. Results Reported are valid at the time of and under the stated conditions of measurements.
- 7. The usage of NABL symbol is as per NABL guidelines given in NABL-133.

Calibrated By

(Calibration Engineer)

Authorised By

Swetha K. V. (Quality Manager)



Cal Cert Number: GI/22/576-03

I. Mechanical Calibration: Volume

Range

: 100 µl to 1000 µl

Results:-

Sl. No.	Micropipette Set Volume in µl	Standard Balance Reading in g	Actual Calculated Volume @ 27°C in μl	Average Volume in μl	Systematic Error, ± in %	Random Error, in ± in %
1		0.09957	99.87			
2		0.09936	99.66	99.79	-0.21	0.26
3		0.09974	100.04			
4		0.09925	99.55			
5	100	0.09996	100.26			
6	100	0.09961	99.91			
7		0.09945	99.75			
8		0.09938	99.68			
9		0.09906	99.36			
10		0.09955	99.85			
11		0.59758	599.39	599.45	-0.09	0.12
12		0.59824	600.05			
13		0.59736	599.17			
14		0.59705	598.86			
15	(00	0.59793	599.74			
16	600	0.59825	600.06			
17		0.59703	598.84			
18		0.59874	600.55			
19	1	0.59642	598.23]		1
20	1	0.59775	599.56			
21		0.99657	999.59			
22	1	0.99702	1000.04			
23		0.99698	1000.00	999.57	-0.04	0.08
24	1000	0.99768	1000.70			
25		0.99501	998.02			
26		0.99622	999.24			
27		0.99568	998.70			
28		0.99647	999.49			
29		0.99673	999.75			
30		0.99711	1000.13			

Measurement Uncertainty:

 $\pm 0.5 \mu l$

Conclusion / Remarks:

- 1 Measurement uncertainty is at confidence level 95% which corresponds to a coverage factor of k=2.23
- 2 Calibration is performed as per ISO 8655 6 : 2002 (E)
- 3 Gravimetric Method is adopted for calibration.

***** End of Certificate *****

Calibrated By

(Calibration Engineer)

Authorised By

Page No: 2 of 2

Swetha K. V. (Quality Manager)