



# ROOTS INDUSTRIES INDIA LIMITED

## ROOTS METROLOGY & TESTING LABORATORY

R.K.G. Industrial Estate, Ganapathy, Coimbatore - 641 006, INDIA  
Phone : 0422 - 4330145 / 4330146 / 4330147 Fax : 0422 - 2332107, E-mail : rilmelab@roots.co.in



### CALIBRATION CERTIFICATE

Issued Date : 30-08-2022

ULR Number : CC275222000061956F

- 1.0 REPORT NO. : RMTL/01/322104467-A5
- 2.0 NAME & ADDRESS OF THE CUSTOMER : M/S. Redcliffe diagnostics  
HSR layout sector 6th 1st floor, Sarathy  
Bengaluru KARNATAKA Pincode -560102
- 3.0 CUSTOMER'S REFERENCE : SRF - 29/08/2022
- 4.0 DESCRIPTION OF ITEM : MICRO PIPETTE  
L.C : 1 µl  
Range : 10 to 100 µl  
Make : Erba  
Model : ---
- 5.0 IDENTIFICATION NO. / SR. No. : YE312AS0160158
- 6.0 DATE OF RECEIPT OF ITEM : 29/08/2022
- 7.0 DATE OF CALIBRATION : 30/08/2022
- 8.0 NEXT CALIBRATION DUE : 29/08/2023

DETAILS OF MASTER USED				
Standard Instrument Used	Make	ID NO.	Traceable to/Certificate No.	Validity
Electronic Weighing Balance - 1µg to 21g	Radwag	RML 142	LCGC,Hyderabad/TC/7199/2021	01/03/2022

The masters are traceable to National / International standards

- 9.0 CALIBRATION PROCEDURE REF.NO. : RMTL/WI/410
- 10.0 REFERENCE DOCUMENT : ISO 8655-6 : 2002
- 11.0 ENVIRONMENTAL CONDITIONS DURING CALIBRATION : Temperature : 23.4°C  
Humidity : 49.3% RH  
Atmospheric pressure : 958 hpa
- 12.0 MEDIUM USED FOR WEIGHING : Grade III - Water As Per ISO : 3696
- 13.0 DENSITY CORRECTION FACTOR (Z) : 1.0034 µl/mg
- 14.0 ESTIMATED UNCERTAINTY OF MEASUREMENT (AT CONFIDENCE LEVEL OF APPROXIMATELY 95% FOR A COVERAGE FACTOR k=2) : As Reported
- 15.0 RESULT OF CALIBRATION : Refer page 2
- 16.0 The reported results are valid only for the condition of the Items received at the time of and under the stated conditions of the calibration

CALIBRATED BY (CALIBRATION ENGINEER)	AUTHORIZED BY (QM/TM/DY.TM/Sr.Er)	This Report refers only to the sample submitted and may not be reproduced in full or in part, without written permission from Roots Metrology & Testing Laboratory, Coimbatore.
 N. YUVARAJ	 R. KANALAKANNAN	

\* NEXT CALIBRATION DUE AS PER CUSTOMER'S PLAN AND REQUIREMENT



# ROOTS INDUSTRIES INDIA LIMITED

## ROOTS METROLOGY & TESTING LABORATORY

R.K.G. Industrial Estate, Ganapathy, Coimbatore - 641 006, INDIA  
 Phone : 0422 - 4330145 / 4330146 / 4330147 Fax : 0422 - 2332107, E-mail : rilmelab@roots.co.in



### CALIBRATION CERTIFICATE

REPORT NO. : RMTL/01/322104467-A5  
 NAME OF THE CUSTOMER : M/S. Redcliffe diagnostics  
 HSR layout sector 6th 1st floor, Sarathy  
 Bengaluru KARNATAKA Pincode -560102

**MICRO PIPETTE**

LC : 1 µl  
 Range : 10 to 100 µl  
 Make : Erba  
 Ident.No. YE312AS0160158

Condition of Receipt Item : Satisfactor

**CALIBRATION RESULT :**

(All Values in µl)

Sl.No	Nominal Volume	Calibrated Values					Mean Value	Systematic Error (es)	Random Error (Sr)	Measurement Uncertainty (±)
1	10	10.006	10.005	10.008	10.007	10.006	10.006	0.006	0.002	0.21
		10.003	10.005	10.004	10.008	10.006				
2	50	50.011	50.012	50.010	50.008	50.008	50.010	0.010	0.002	0.21
		50.010	50.012	50.008	50.007	50.009				
3	100	100.015	100.013	100.012	100.015	100.012	100.013	0.013	0.002	0.23
		100.013	100.016	100.013	100.011	100.013				

CALIBRATED BY (CALIBRATION ENGINEER)

*N. YUVARAJ*  
 N. YUVARAJ

AUTHORIZED BY (QM/TM/DY.TM/Sr.Er)

*R. RAMALAKANNAN*  
 R. RAMALAKANNAN

This Report refers only to the sample submitted and may not be reproduced in full or in part, without written permission from Roots Metrology & Testing Laboratory, Coimbatore.

Calibration Label / Status :

White : Calibrated

Green : Accepted - Valid for use

Yellow : Limited use (Refer report)

Red : Rejected-Out of use (Refer report)

\* NEXT CALIBRATION DUE AS PER CUSTOMERS PLAN AND REQUIREMENT