



ROOTS INDUSTRIES INDIA LIMITED

ROOTS METROLOGY & TESTING LABORATORY

R.K.G. Industrial Estate, Ganapathy, Coimbatore - 641 006, INDIA
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CALIBRATION CERTIFICATE

Issued Date : 30-08-2022

ULR Number : CC275222000061055F

- 1.0 REPORT NO. : RMTL/01/322104467-A2
- 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 - 24/08/2022
- 4.0 DESCRIPTION OF ITEM : MICRO PIPETTE
L.C : 0.5 µl
Range : 10 to 100 µl
Make : P'Fact
Model : ---
- 5.0 IDENTIFICATION NO. / SR. No. : QF601992
- 6.0 DATE OF RECEIPT OF ITEM : 24/08/2022
- 7.0 DATE OF CALIBRATION : 26/08/2022
- 8.0 NEXT CALIBRATION DUE : 25/08/2023

DETAILS OF MASTER USED

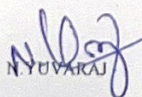
Standard Instrument Used	Make	ID NO.	Traceable to/Certificate No.	Validity
Electronic Weighing Balance - 1µg to 21g	Radwag	RML 142	LCGC,Hyderabad/TC/7199/2021	01/03/2022

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)


N. V. KARAJ


R. K. MALAKANNAN

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1 of 2

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



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 NAME OF THE CUSTOMER : M/S. Redcliffe diagnostics
 HSR layout sector 6th 1st floor, Sarathy
 Bengaluru KARNATAKA Pincode -560102
 0

MICRO PIPETTE
 L.C : 0.5 µl
 Range : 10 to 100 µl
 Make : P'Fact
 Ident.No. QF601992

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	10.0	10.005	10.006	10.004	10.005	10.003	10.004	0.004	0.001	0.21
		10.006	10.003	10.005	10.004	10.003				
2	50.0	50.008	50.007	50.011	50.010	50.007	50.010	0.010	0.002	0.21
		50.011	50.013	50.011	50.009	50.008				
3	100.0	100.014	100.017	100.020	100.015	100.018	100.016	0.016	0.002	0.23
		100.017	100.015	100.013	100.015	100.014				

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Calibration Label / Status :	White : Calibrated <input checked="" type="checkbox"/>	Green : Accepted - Valid for use <input type="checkbox"/>	* NEXT CALIBRATION DUE AS PER CUSTOMERS PLAN AND REQUIREMENT	
	Yellow : Limited use (Refer report) <input type="checkbox"/>	Red : Rejected-Out of use (Refer report) <input type="checkbox"/>		