



CERTIFICATE NO. :
CC - 2725

9001:2015

CERTIFICATE OF CALIBRATION

Certificate No: CC-20-21-L-228/01

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Customer Name & Address M/s. Qualitycare Diagnostic Center Madurai Road Theri	ULR No.	CC27252000004943F
	SRF No.	VCI-20-21-L-228
	Date of Receipt	30.12.2020
	Date of Calibration	30.12.2020
	Due Date for Calibration	29.12.2021
	Date of Issue	31.12.2020

Details of Unit Under Calibration

Description	Micro Pipette	Make	Astra
Range	10-100 µl	Model	AMP103LX
Resolution	0.1 µl	Material	pvc
Serial Number	GP21649	Operating Range	10-100µl
ID Number	--	Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	--

Environmental Condition		Calibration Method Used	
Temperature (°C)	23±2	National / International Standard	ISO 8655-6:2002
Humidity (%RH)	40 - 70	Cal Procedure No	VCI-L03-WI-MASS-003

Standard Used

SI. No.	Description	ID.No. / SI. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Semi Micro Balance	VCI-M-WB-017 / 55492	TVCSP 20/ 10/956-01	Wensar / MAB 250	National Standards	15.10.2021

Result of Calibration in µl										
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	10	10.58	10.71	10.75	10.73	10.62	10.64	0.64	0.10	0.21
		10.43	10.59	10.62	10.68	10.71				
2	50	50.85	50.93	50.97	50.86	51.08	50.93	0.93	0.07	0.21
		50.88	50.93	50.91	50.94	50.97				
3	100	101.21	101.54	101.36	101.33	101.47	101.45	1.45	0.12	1.72
		101.59	101.53	101.48	101.55	101.46				

Remarks

1. UUC is Defined as the Unit Under Calibration.
2. The Measurement uncertainty is expressed at 95.45% confidence level with coverage factor k=2.
3. This Calibration Certificate relates only to the above UUC & Reported results are valid at the time of and under the stated conditions of measurements.
4. Calibration of the UUC are traceable to National / International Standards.
5. This report shall not be reproduced in full/ part without prior permission of Venus Calibration and Instruments.
6. The recalibration interval shall be determined on the user requirements.
7. Nabl-133 guidelines are adopted for use of NABL symbol.
8. Calibration Liquid Used: Distilled or Deionized water conforming Grade3 as specified in ISO 3696.

Checked & Issued by:

M. Manju

M.Manju

(Engineer - Calibration)



Authorised by:

C. Dhinakaran

C.Dhinakaran

(Technical / Quality Manager)

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CERTIFICATE NO. :
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CERTIFICATE OF CALIBRATION

Certificate No: CC-20-21-L-228/02

Page No: 1 of 1

Customer Name & Address M/s. Qualitycare Diagnostic Center Madurai Road Theni	ULR No.	CC27252000004944F
	SRF No.	VCI-20-21-L-228
	Date of Receipt	30.12.2020
	Date of Calibration	30.12.2020
	Due Date for Calibration	29.12.2021
	Date of Issue	31.12.2020

Details of Unit Under Calibration

Description	Micro Pipette	Make	BIOHIT
Range	20-100 µl	Model	--
Resolution	0.1 µl	Material	pvc
Serial Number	17502994	Operating Range	20-100µl
ID Number	--	Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	--

Environmental Condition		Calibration Method Used	
Temperature (°C)	23±2	National / International Standard	ISO 8655-6:2002
Humidity (%RH)	40 - 70	Cal Procedure No	VCI-L03-WI-MASS-003

Standard Used

SI. No.	Description	ID.No. / SI. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Semi Micro Balance	VCI-M-WB-017 / 55492	TVC SPL 20/ 10/956-01	Wensar / MAB 250	National Standards	15.10.2021

Result of Calibration in µl

Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	20	20.58	20.71	20.75	20.73	20.62	20.64	0.64	0.10	0.21
		20.43	20.59	20.62	20.68	20.71				
2	50	50.81	50.92	50.92	50.86	51.08	50.91	0.91	0.07	0.21
		50.88	50.93	50.91	50.90	50.90				
3	100	101.17	101.24	101.11	101.22	101.47	101.33	1.33	0.15	1.72
		101.59	101.38	101.27	101.40	101.46				

Remarks

- UUC is Defined as the Unit Under Calibration.
- The Measurement uncertainty is expressed at 95.45% confidence level with coverage factor $k=2$.
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