



CERTIFICATE NO. :
CC - 2725

9001:2015



CERTIFICATE OF CALIBRATION

Certificate No: CC-20-21-L-206/01		Page. No : 1 of 1
Customer Name & Address M/s. National X-RAY'S, ECG & Clinical laboratory, 117-A, Salem Main Road, Krishnagiri - 635 001	ULR No.	CC272520000004481F
	SRF No.	VCI-20-21-L-206
	Date of Receipt	10.12.2020
	Date of Calibration	10.12.2020
	Due Date for Calibration	09.12.2021
	Date of Issue	11.12.2020

Details of Unit Under Calibration			
Description	Micro Pipette	Make	AGAPPE
Range	20-200 µl	Model	4640130
Resolution	1 µl	Material	pvc
Serial Number	RW03706	Operating Range	20-200µl
ID Number	3	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	TVCSPL 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	100	100.85	100.93	100.97	100.86	101.08	100.93	0.93	0.07	0.21
		100.88	100.93	100.91	100.94	100.97				
3	200	201.21	201.54	201.36	201.33	201.47	201.45	1.45	0.12	1.72
		201.59	201.53	201.48	201.55	201.46				

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.Gokila

(Engineer - Calibration)



Authorised by:

K.Sathish

(Deputy Quality Manager)