



CALIBRATION CERTIFICATE

Format No.: F-48/15		Issue/Rev.: 01/00	
Certificate No. : MCS/21000002349	Date of Calibration : 20/12/2021	ULR No. : CC313321000002349F	Recommended Due Date : 19/12/2022
Discipline : Mechanical	Certificate Issue Date : 20/12/2021	Group : Volume	
Name & Address of Customer : M/s. NIRMA UNIVERSITY Institute of Pharmacy, S. G. Highway, Ahmdabad - 382481.	Condition On Receipt : Satisfactory	Receipt No. : MCS/276-02	Receipt Date : 20/12/2021
	Location of Calibration : Lab		
Details Of Unit Under Calibration:			
Nomenclature : Micropipette	Serial No. : 270100	Make/Model : Axiva	ID No. : --
Range : 10 to 100 µl		L.C. : 0.5 µl	
Details of standard Used :			
Nomenclature : Digital Weighing Balance	Certificate No. : CC313321000002073F	Id.No. : MCS/DWB/01	Valid Up to : 07/11/2022
The Standards used for Calibration is traceble to national /International Standard.			
Work Instruction No : MCS/CP/15	Standard Used : IS/ISO 4787 / ISO 8655-6	Method Used : By Gravimetric method.	: ISO/TR 20461
Environment Details	Relative Humidity : 51 % RH		
Temperature : 24.9 °C			
Atmospheric Pressure : 1007.8 hpa			

Calibrated By-(CE)

Rahul Chauhan



Authorised Signatory-(TM)

Sachin Gujarathi



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Certificate No. : MCS/21000002349
ULR No. : CC313321000002349F

Calibration Result

All Reading are in μ

Nominal Value	Avg.Observed Value @ 27°C	Systematic error	Random Error	(\pm) Expanded Uncertainty
10	10.07	0.07	0.06	1.4
50	50.08	0.08	0.08	1.4
100	100.19	0.19	0.06	1.5

UUC : Unit Under Calibration

*All Readings are Average of ten Readings.

Calibrated By-(CE)

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- Note - (1) The uncertainty of measurement is expressed at a confidence level 95.45% with coverage factor $k=2$.
- (2) The Value has been rounded -off as per IS 2: 1960 wherever applicable.
- (3) The certificate pertains only to the items calibrated.
- (4) This certificate should not be reproduced except in full without a written permission of the laboratory.
- (5) The reported results are valid at the time of performance of calibration under specified conditions only
- (6) Calibration is performed without doing any adjustment/Repairing in its original Condition.

-End Of Certificate-



CALIBRATION CERTIFICATE

Format No.: F-48/15		Issue/Rev.: 01/00	
Certificate No. : MCS/21000002348	Date of Calibration : 20/12/2021	Recommended Due Date : 19/12/2022	
ULR No. : CC313321000002348F	Discipline : Mechanical		Certificate Issue Date : 20/12/2021
Group : Volume			
Name & Address of Customer : M/s. NIRMA UNIVERSITY Institute of Pharmacy, S. G. Highway, Ahmdabad - 382481.		Condition On Receipt : Satisfactory	Receipt No. : MCS/276-01
		Receipt Date : 20/12/2021	Location of Calibration : Lab
Details Of Unit Under Calibration:			
Nomenclature : Micropipette	Serial No. : OL529316	ID No. : --	
Make/Model : AxiFlow			
Range : 100 to 1000 µl			
L.C. : 5 µl			
Details of standard Used :			
Nomenclature : Digital Weighing Balance	Certificate No. : CC313321000002073F	Valid Up to : 07/11/2022	
Id.No. : MCS/DWB/01			
The Standards used for Calibration is traceble to national /International Standard.			
Work Instruction No : MCS/CP/15	Standard Used : IS/ISO 4787 / ISO 8655-6	ISO/TR 20461	
Method Used : By Gravimetric method.			
Environment Details		Relative Humidity : 47 % RH	
Temperature : 25.2 °C			
Atmospheric Pressure : 1004.7 hpa			

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ULR No. : CC313321000002348F

Calibration Result

All Reading are in μ l

Nominal Value	Avg.Observed Value @ 27°C	Systematic error	Random Error	(\pm) Expanded Uncertainty
100	99.81	-0.19	0.13	1.4
500	499.83	-0.17	0.08	1.5
1000	1000.12	0.12	0.08	1.5

UUC : Unit Under Calibration

*All Readings are Average of ten Readings.

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