

# NATIONAL CALIBRATION CENTER

E-215/217, Udhna Udhyognagar Sangh, Opp. BOB Bank, Road No.10,  
Udhna, Surat-394210, M.:95744 39488, Email: nal.cal.cer@gmail.com

## CERTIFICATE OF CALIBRATION

Page 1 of 1

Name Of customer: Address:	MALAVIA ADVANCED LABORATORY 305, Shivalik Western, Above Seasons Banquets, Riverdale Academy Circle, L.P. Savani Road, Adajan-Pal, Surat	Certificate No. :	NCC/G1522/27
		Cal. Date :	15/07/2022
		Suggested Due Date :	14/07/2023
		Date Of Receipt :	14/07/2022

NCC Identification No.: G1527	Condition Of Unit Under Calibration: OK
Reference Standard No.: ISO 8655	Calibration Procedure: NCC/CPR/M-82
Environment Condition: Temperature: (25 ± 2) °C	Relative Humidity: (50 ± 10) %

### Detail of Unit under Calibration (UUC):

Name of Equipment :	Micropipette	Range :	5 to 50 µl
Make/Model :	Finnpipette / 4640060	L.C/Resolution :	0.2 µl
ID No./ Sr. No.:	GH30102		

### Master Equipment Used:

Equipment Name	NCC System No	Range	Traceability
Weight Box	NCC-21	1 mg to 200 g	Traceable to National Standards through NABL Accredited Lab CC-3133 Vide Certificate No. MCS/21000001396 valid up to 31/08/2022

### CALIBRATION RESULT

Set Value on UUC in µl	Measured Value on STD in µl	Error in µl
5.0	5.012	-0.012
10.0	10.045	-0.045
20.0	20.069	-0.069
40.0	40.082	-0.082
50.0	50.114	-0.114

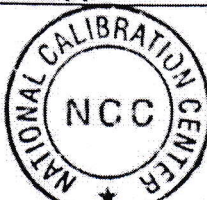
Uncertainty of Measurement: ± 0.03 µl, the reported uncertainty is the expanded uncertainty in measurement obtained by multiplying the standard uncertainty by the coverage factor  $k = 2$ , which corresponds to a coverage probability of approximately 95.45% for a normal distribution.

x-x-x-x-x- End of certificate -x-x-x-x-x

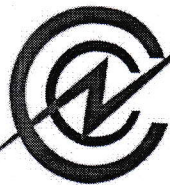
  
Calibrated By

  
Checked By

  
Approved By

<ul style="list-style-type: none"> <li>✓ The calibration results reported in this certificate are valid at the time of &amp; under the stated condition of measurement.</li> <li>✓ The report should not be reproduced except in full, without our prior permission in writing.</li> <li>✓ The certificate relates only to the item calibrated.</li> <li>✓ Any hand written correction (except @) or photocopies in the reports invalidates this certificate</li> <li>✓ Standard(s) are traceable to National/International Standard</li> <li>✓ certificate is issued subject to conditions stated</li> <li>✓ Recommended due date is suggested by the Customer overleaf.</li> <li>✓ Results are the average of the three readings.</li> <li>✓ Items are calibrated in as found condition without adjustment.</li> </ul>	
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## CERTIFICATE OF CALIBRATION

Page 1 of 1

<b>Name Of customer:</b> MALAVIA ADVANCED LABORATORY <b>Address:</b> 305, Shivalik Western, Above Seasons Banquets, Riverdale Academy Circle, L.P. Savani Road, Adajan-Pal, Surat	<b>Certificate No. :</b> NCC/G1522/26
	<b>Cal. Date :</b> 15/07/2022
	<b>Suggested Due Date :</b> 14/07/2023
	<b>Date Of Receipt :</b> 14/07/2022

<b>NCC Identification No.:</b> G1526	<b>Condition Of Unit Under Calibration:</b> OK
<b>Reference Standard No.:</b> ISO 8655	<b>Calibration Procedure:</b> NCC/CPR/M-82
<b>Environment Condition: Temperature:</b> (25 ± 2) °C	<b>Relative Humidity:</b> (50 ± 10) %

### Detail of Unit under Calibration (UUC):

<b>Name of Equipment :</b> Micropipette	<b>Range :</b> 100 to 1000 µl
<b>Make/Model :</b> Finn timer / 4640060	<b>L.C/Resolution :</b> 1 µl
<b>ID No./ Sr. No.:</b> HW04069	

### Master Equipment Used:

Equipment Name	NCC System No	Range	Traceability
Weight Box	NCC-21	1 mg to 200 g	Traceable to National Standards through NABL Accredited Lab CC-3133 Vide Certificate No. MCS/21000001396 valid up to 31/08/2022

### CALIBRATION RESULT

Set Value on UUC in µl	Measured Value on STD in µl	Error in µl
100	100.284	-0.284
300	300.542	-0.542
500	500.741	-0.741
800	800.854	-0.854
1000	1000.907	-0.907

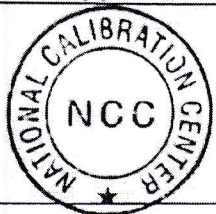
Uncertainty of Measurement: ± 0.03 µl, the reported uncertainty is the expanded uncertainty in measurement obtained by multiplying the standard uncertainty by the coverage factor  $k = 2$ , which corresponds to a coverage probability of approximately 95.45% for a normal distribution.

x-x-x-x-x- End of certificate -x-x-x-x-x

  
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