

ULR - CC288122000009756F

Calibration Certificate

CC - 2881

Date of Calibration	Recommended Date for Next Calibration	Issue Date	Certificate No.
30.06.2022	29.06.2023 (Recommended By Customer)	01.07.2022	QATM - 22062063

Customer Name and Address	U-Lab At Medicare Hospital (A Unit Of Lahoti Medicare Pvt. Ltd.), Indore		
Calibration Request Reference	Verbal Request	SRF No. : SRF - 22060148	
Test Equipment Specifications			
Location	Pathology Laboratory	Department	Pathology Laboratory
Equipment Name	Micropipette	Range	5 to 50 μ l
Make	Thermo Scientific	Operating Range	5 to 50 μ l
Model	Finnpipette F2	Resolution	0.1 μ l
Serial No.	GH64463	Accuracy	50 μ l = \pm 0.5 μ l, 25 μ l = \pm 0.5 μ l, 5 μ l = \pm 0.125 μ l
ID No.	MHRC/LAB/MP-1	Calibration Procedure No.	QATM-WI-M&V-03L
Date of Equipment Receipt	30.06.2022	Condition on receipt	Good
Environmental Conditions:	Temperature: 23 \pm 2 $^{\circ}$ C	Relative Humidity: 40 to 60 % RH	Atmospheric Pressure: 753 mmHg

REFERENCE STANDARDS USED FOR CALIBRATION (TRACEABLE TO NATIONAL / INTERNATIONAL STANDARDS)					
Name of Equipment	Make	Model	ID No.	Due Date	Certificate No.
Micro Balance	Sartorius	CPA 26P	QATM/CAL/ML - 15	03.03.2023	ARAI/CAL/2202/4243
Digital Thermometer	Multi	H - 9285	QATM/CAL/TL - 41	23.08.2022	QATM - 21081672

Mechanical Calibration

OBSERVATION

PARAMETER : Volume

Range	Reading on UUC	Reading on Standard	Systematic Error	Random Error	Expanded Uncertainty
	μ l	μ l	μ l	μ l	\pm μ l
5 to 50 μ l	50	50.397	-0.397	0.005	0.08
	25	25.047	-0.047	0.006	0.07
	5	4.885	0.115	0.007	0.06

REMARKS :

- UUC : Unit Under Calibration.
- Standard reading is average of ten readings.
- The above UUC was calibrated at Lab.
- The above UUC is Calibrated as per Standard ISO 8655-6.
- This Calibration certificate refers only to the particular item submitted for calibration.
- This certificate shall not be produced, except in full without the prior permission from the QA TECH Head.
- The calibration results reported in this certificate are valid at the time of and under the stated conditions of measurement.
- The reported measurement uncertainty is estimated at a level of confidence of approximately 95 % with a coverage factor k = 2.

Calibrated by  Calibration Engineer (Ankita Rane)		Authorised Signatory  Technical Manager (Rakesh Bhalerao)
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QATM/FT-03/7.8

**** End of Calibration Certificate ****

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GMP Technical Solutions Private Limited



ISO 9001:2015 CERTIFIED COMPANY
Regn. No. QAIC/IN/421-A

(A DIVISION OF GMP TECHNICAL SOLUTIONS PVT. LTD)

Gala No. 1 & 2, 1st Floor, Bldg. No. F-6, Angel Logistic Park,
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Taluka - Bhiwandi, Dist: Thane - 421 302.
Tel.: +91 98338 62756 / 98339 74756
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Date of Calibration	Recommended Date for Next Calibration	Issue Date	Certificate No.
30.06.2022	29.06.2023 (Recommended By Customer)	01.07.2022	QATM - 22062065

Customer Name and Address	U-Lab At Medicare Hospital (A Unit Of Lahoti Medicare Pvt. Ltd.), Indore		
Calibration Request Reference	Verbal Request	SRF No. : SRF - 22060148	
Test Equipment Specifications			
Location	Pathology Laboratory	Department	Pathology Laboratory
Equipment Name	Micropipette	Range	20 to 200 µl
Make	Thermo Scientific	Operating Range	20 to 200 µl
Model	Finnpipette F3	Resolution	0.2 µl
Serial No.	EH42790	Accuracy	200 µl = ± 1.6 µl, 100 µl = ± 0.8 µl, 20 µl = ± 0.2 µl
ID No.	MHRC/LAB/MP-2	Calibration Procedure No.	QATM-WI-M&V-03L
Date of Equipment Receipt	30.06.2022	Condition on receipt	Good
Environmental Conditions:	Temperature: 23 ± 2 °C	Relative Humidity: 40 to 60 % RH	Atmospheric Pressure: 753 mmHg

REFERENCE STANDARDS USED FOR CALIBRATION (TRACEABLE TO NATIONAL / INTERNATIONAL STANDARDS)

Name of Equipment	Make	Model	ID No.	Due Date	Certificate No.
Micro Balance	Sartorius	CPA 26P	QATM/CAL/ML - 15	03.03.2023	ARAI/CAL/2202/4243
Digital Thermometer	Multi	H - 9285	QATM/CAL/TL - 41	23.08.2022	QATM - 21081672

Mechanical Calibration

OBSERVATION

PARAMETER : Volume

Range	Reading on UUC	Reading on Standard	Systematic Error	Random Error	Expanded Uncertainty
	µl	µl	µl	µl	± µl
20 to 200 µl	200	200.259	-0.259	0.007	0.08
	100	100.204	-0.204	0.007	0.07
	20	20.024	-0.024	0.008	0.06

REMARKS :

1. UUC : Unit Under Calibration.
2. Standard reading is average of ten readings.
3. The above UUC was calibrated at Lab.
4. The above UUC is Calibrated as per Standard ISO 8655-6.
5. This Calibration certificate refers only to the particular item submitted for calibration.
6. This certificate shall not be produced, except in full without the prior permission from the QA TECH Head.
7. The calibration results reported in this certificate are valid at the time of and under the stated conditions of measurement.
8. The reported measurement uncertainty is estimated at a level of confidence of approximately 95 % with a coverage factor k = 2.

Calibrated by  Calibration Engineer (Ankita Rane)	 BHIWANDI 421 302	Authorised Signatory  Technical Manager (Rakesh Bhalerao)
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QATM/FT-03/7.8

**** End of Calibration Certificate ****

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ULR - CC28812200009757F

Calibration Certificate

CC - 2881

Date of Calibration	Recommended Date for Next Calibration	Issue Date	Certificate No.
30.06.2022	29.06.2023 (Recommended By Customer)	01.07.2022	QATM - 22062064

Customer Name and Address	U-Lab At Medicare Hospital (A Unit Of Lahoti Medicare Pvt. Ltd.), Indore		
Calibration Request Reference	Verbal Request	SRF No. : SRF - 22060148	
Test Equipment Specifications			
Location	Pathology Laboratory	Department	Pathology Laboratory
Equipment Name	Micropipette	Range	100 to 1000 µl
Make	Thermo Scientific	Operating Range	100 to 1000 µl
Model	Finnpipette F2	Resolution	1 µl
Serial No.	JH20538	Accuracy	1000 µl = ± 8.0 µl, 500 µl = ± 4.0 µl, 100 µl = ± 0.8 µl
ID No.	MHRC/LAB/MP-3	Calibration Procedure No.	QATM-WI-M&V-03L
Date of Equipment Receipt	30.06.2022	Condition on receipt	Good
Environmental Conditions:	Temperature: 23 ± 2 °C	Relative Humidity: 40 to 60 % RH	Atmospheric Pressure: 753 mmHg

REFERENCE STANDARDS USED FOR CALIBRATION (TRACEABLE TO NATIONAL / INTERNATIONAL STANDARDS)

Name of Equipment	Make	Model	ID No.	Due Date	Certificate No.
Micro Balance	Sartorius	CPA 26P	QATM/CAL/ML - 15	03.03.2023	ARAI/CAL/2202/4243
Digital Thermometer	Multi	H - 9285	QATM/CAL/TL - 41	23.08.2022	QATM - 21081672

Mechanical Calibration

OBSERVATION

PARAMETER : Volume

Range	Reading on UUC	Reading on Standard	Systematic Error	Random Error	Expanded Uncertainty
	µl	µl	µl	µl	± µl
100 to 1000 µl	1000	1004.444	-4.444	0.006	0.33
	500	501.307	-1.307	0.008	0.31
	100	100.570	-0.570	0.004	0.06

REMARKS :

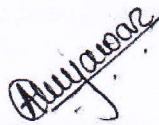

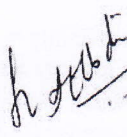
- UUC : Unit Under Calibration.
- Standard reading is average of ten readings.
- The above UUC was calibrated at Lab.
- The above UUC is Calibrated as per Standard ISO 8655-6.
- This Calibration certificate refers only to the particular item submitted for calibration.
- This certificate shall not be produced, except in full without the prior permission from the QA TECH Head.
- The calibration results reported in this certificate are valid at the time of and under the stated conditions of measurement.
- The reported measurement uncertainty is estimated at a level of confidence of approximately 95 % with a coverage factor k = 2.

Calibrated by  Calibration Engineer (Ankita Rane)		Authorised Signatory  Technical Manager (Rakesh Bhalerao)
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QATM/FT-03/7.8

**** End of Calibration Certificate ****

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ULR-CC27422200001080F CALIBRATION CERTIFICATE					
Date of Calibration	Recommended Date for Next Calibration	Date of Issue	Certificate No.	Docket No.	Page
03.03.2022	03.03.2023	04.03.2022	ARAI/CAL/2202/4243	983/2021-2022	1 of 2
1. Customer Name & Address (*)		QA TECH (A DIVISION OF GMP TECHNICAL SOLUTIONS PVT. LTD.) GALA NO.1&2,BLDG.NO.F-6, 1ST FLOOR ANGEL LOGISTICS PARK THANE NASHIK HIGHWAY PIMPLAS, THANE 421302 MUMBAI 421302 MAHARASHTRA			
2. Calibration Carried out at		Customer Premises			
3. Customer Requirements (*)		Onsite calibration of Micro Balance.			
4. Date of Receipt/Inspection of Instrument		03.03.2022			
5. Condition of the Instrument		Instrument was in working condition.			
DETAILS OF THE DEVICE UNDER CALIBRATION : (*)					
Name:	Micro Balance	Make:	Sartorius	Model:	CPA 26P
Sr No:	28405188	ID No:	QATM / CAL / ML - 15	Range:	5g / 21 g
Resolution:	0.002 mg upto 5 g & above 0.01 mg	Accuracy:	As per OIML R 76 - 1 - 2006		
Environmental Conditions		Temperature	(30 ± 10)°C	Relative Humidity	(30 to 80)%RH
		Baro Pre			NA
REFERENCE STANDARD USED FOR CALIBRATION (TRACEABLE TO NATIONAL / INTERNATIONAL STANDARDS)					
Name of Equipment	Id. No.	Due Date	Traceability (Report No.)		
E1 Class Weight Set	CAL/111	29.01.2024	Sushma Calibration (SCPL/CC/2250/01/2020-2021)		
E1 class weights (500g to 1 mg)	CAL/209	03.04.2023	Sushma, Bengaluru (SCPL/CC/0006/04/2021-2022)		
CALIBRATION PROCEDURE NO. CP:045:CAL					
Remarks : Calibration sticker is issued and customer has to refer the calibration results during use.					
 Calibrated By [A.K.Mujawar, ENGR.]		 CC-2742		 Authorised Signatory [V.K.Jadhav, D. D.]	
NOTE					
1. This certificate refers only to particular item(s) submitted for calibration. 2. This Certificate shall not be reproduced, except in full, unless written permission for the publication of an approved abstract has been obtained from the Director, Automotive Research Association of India (ARAI), Pune. 3. The calibration results reported in this Certificate are valid at the time and under the stated conditions of measurements. 4. ARAI is not responsible, or stand guarantee of calibration status through out the life of the equipment. However, the user is responsible to maintain the calibration accuracy within specified limits. 5.NABL Certificate No. CC-2742 (Electro-Technical ,Mechanical ,Thermal, Fluid Flow). 6. The information marked with "(*)" is provided by customer.					

TRUE COPY
QA Tech

Date of Calibration	Recommended Date For Next Calibration	Date of Issue	Certificate No.
03.03.2022	03.03.2023	04.03.2022	ARAI / CAL / 2202 / 4243

CALIBRATION RESULTS :

1. Linearity Check :

The "Internal Calibration" of the balance is carried out as per the procedure mentioned in Balance Manual. After this, the entire range of the DUC was verified with reference weights. The results are as follows :-

Sr. No.	Test Point in mg	Reference Mass value in mg	Mean DUC indication in mg	Correction in mg	± Maximum Permissible Error as per OIML R 76 - 1 - 2006	± Expanded Uncertainty at 95.45% C.L. with $k = 2$
1	1	1.0006	1.002	-0.001	0.500 mg	0.006 mg
2	5	5.0000	5.000	0.000		
3	20	19.9998	20.002	-0.002		
4	50	50.0013	50.002	-0.001		
5	100	99.9948	99.992	0.003		
6	500	499.9714	499.974	-0.003		
7	1000	999.9980	1000.002	-0.004		
8	5000	4999.9940	4999.998	-0.004		
9	10000	10000.0000	10000.02	-0.020		0.019 mg
10	20000	19999.9790	20000.00	-0.021		
2. Eccentric Loading at 2000 mg & 10000 mg respectively						0.006 mg
Max. diff. between center & other four Corner points				0.0030 mg		
Max. diff. between center & other four Corner points				0.0167 mg		
3. Repeatability						0.006 mg
Repeatability at		2000 mg			0.0020 mg	
Repeatability at		5000 mg			0.0021 mg	
Repeatability at		10000 mg			0.0067 mg	
Repeatability at		20000 mg			0.0057 mg	0.019 mg

Remarks:

1. Expanded Uncertainty is the contribution of uncertainty, originating from the standards used, repeatability, eccentricity, Linearity and resolution of balance is taken into consideration.
2. The Balance was calibrated at site and results are valid at particular site.
3. DUC : Device Under Calibration
4. This calibration Certificate is issued for the Weighing Balance used for Scientific or Industrial purposes only.
5. Our CMC (±) for (0 to 2) g is 0.0044 mg, for (0 to 20) g is 0.013 mg, for (0 to 220) g is 0.08 mg, for (0 to 600) g is 0.28 mg, for (0 to 5) kg is 6 mg, for (0 to 60) kg is 160 mg, for (0 to 150) kg is 3 g.
6. Recommended date for next calibration is based on customer requirement

*** End Of Certificate ***

A. K. Mujawar
 Calibrated By
 [A. K. Mujawar, ENGR.]

TRUE COPY
QA Tech

V. K. Jadhav
 Authorised Signatory
 [V.K.Jadhav, D. D.]



ISO 9001:2015 CERTIFIED COMPANY
Regn. No. QAIC/IN/421-A

(A DIVISION OF GMP TECHNICAL SOLUTIONS PVT. LTD)

Gala No. 1 & 2, 1st Floor, Bldg. No. F-6, Angel Logistic Park,
Thane - Nasik Highway, Village - Pimplas, Near Kalyan Phata,
Taluka - Bhiwandi, Dist: Thane - 421 302.
Tel.: +91 98338 62756 / 98339 74756
E-mail: admin@qatech.co.in | Website: www.qatech.co.in



CC - 2881

ULR - CC288121000007008F

Calibration Certificate

Date of Calibration	Recommended Date for Next Calibration	Issue Date	Certificate No.
24.08.2021	23.08.2022 (Recommended By Customer)	24.08.2021	QATM - 21081672

Customer Name and Address	QA Tech (A Division of GMP Technical Solutions Pvt. Ltd.) Gala No. 1 & 2, Building No. F-6, 1st Floor, Angel Logistic Park, Thane- Nasik Highway, Village- Pimplas, Taluka-Bhiwandi, Dist-Thane, 421302.		
Calibration Request Reference	Verbal Request	SRF No.: SRF - 21080105	
Test Equipment Specifications			
Location	Bhiwandi	Department	NABL
Equipment Name	Digital Thermometer	Range	-50 to 300 °C
Make	Multi	Operating Range	--
Model	H-9285	Resolution	0.1°C
Serial No.	--	Accuracy	± 2°C
ID No.	QATM/CAL/TL-41	Calibration Procedure No	QATM-WI-T- 01L,02L
Date of Equipment Receipt	24.08.2021	Condition on receipt	Good
Environmental Conditions	Temperature: 25 ± 3 °C	Relative Humidity: 30 to 75 % RH	Atmospheric Pressure: NA

REFERENCE STANDARD USED FOR CALIBRATION (TRACEABLE TO NATIONAL / INTERNATIONAL STANDARDS)

Name of Equipment	Make	Model	ID No.	Due Date	Certificate No.
SSPRT With Digital Reference Thermometer	Isotech	TTI-10	QA/MUM/CAL/TIS-05	07.07.2022	ARAI/CAL/2107/549
		935-14-13	QA/MUM/CAL/TIS-05A		

Thermal Calibration

OBSERVATION

PARAMETER : Temperature

Range	Reading on UUC °C	Reading on Standard °C	Deviation °C	Expanded Uncertainty (±) °C
-50 to 300 °C	-29.9	-30.028	0.128	0.2
	15.1	15.045	0.055	
	20.1	20.017	0.083	
	25.1	24.995	0.105	
	30.2	30.089	0.111	
	100.3	100.117	0.183	

REMARKS

1. UUC : Unit Under Calibration.
2. Standard reading is an average of five readings.
3. The above UUC was calibrated at Lab .
4. Temperature Scale : International Temperature Scale 1990 (ITS 90).
5. This Calibration certificate refers only to the particular item submitted for calibration.
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8. The reported measurement uncertainty is estimated at a level of confidence of approximately 95 % with a coverage factor k = 2.



Calibrated by Calibration Engineer (Ananta Rane)		Authorised Signatory Technical Manager (Rakesh Bhalerao)
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QATM/FT-03/7.8

Page 01 of 01

**** End of Calibration Certificate ****

GMP Technical Solutions Private Limited

Registered Office: 3rd Floor, Swastik Disa Business Park, LBS Marg, Behind Wadhani Indl Estate, Ghatkopar West, Mumbai-400086

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