

Calibration Report

For : U-Lab At Medicare Hospital (A Unit Of Lahoti Medicare Pvt. Ltd.), Indore

Calibration Certificate No. : LM/PL/INDORE/07/22/GT-01		Instrument Code No. : GT-01	
Instrument Name : Glass Thermometer	Section : PATHOLOGY LABORATORY	Calibration Date : 08.07.2022	Calibration Due Date : 07.07.2023
Location : PATHOLOGY LABORATORY	Instruments Type : ALCOHAL FILLED	Range : -10 To 110 °C	Specified Accuracy : ± 1 °C
Make & Model : SWASTIK	Serial No. : -----	Acceptance Criteria : ± 1 °C	Least Count : 1 °C
Unit : °C	Environment Condition : Calibration SOP NO. : QATECH/CAL - 011		
Temperature : 25.2 °C		Relative Humidity : 55.7 % RH	

Sr. No.	Input / Cal. Point °C	Reading Before Adjustment			Reading After Adjustment			Remark
		Desired Output (Master) °C	Actual Output (UUC) °C	Deviation °C	Desired Output (Master) °C	Actual Output (UUC) °C	Deviation °C	
1	-10	-10.1	-10	0.1	-----	-----	-----	OK
2	-5	-5.1	-5	0.1	-----	-----	-----	OK
3	0	0.0	0	0.0	-----	-----	-----	OK
4	25	25.1	25	-0.1	-----	-----	-----	OK
5	50	50.1	50	-0.1	-----	-----	-----	OK

CALIBRATION STANDARDS USED :

Name & Make	Calibrated Range	Accuracy	Certificate No.	Calibration Valid Up To
DIGITAL THERMOMETER WITH SENSOR, MAKE : UDIAN, SR. NO.: 201550424, ID. NO.: QA/MUM/CAL/DTS-18 (INDICATOR) QA/MUM/CAL/DTS-18A, 18B (SENSOR)	-100 To 300 °C	REFER MANUAL	QATM - 22021407	22.02.2023

REMARK :

- * The Glass Thermometer GT-01 is calibrated within acceptance criteria limit.
- * This report refers only to the particular item Calibrated at Site / Laboratory.
- * The Calibration Results reported are valid at the time of & under the condition of environment.
- * The Calibration standard used are traceable to National / International Standards.
- * 'UUC' Unit under calibration.
- * Calibration is done for points selected in working range as per user requirement.

Note : The report should not be reproduced, except in full, without the prior permission of QA Tech.

 Calibration Done By : EM SIGN.	Calibration Checked By : MS
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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 - Pimpas, Near Kalyan Phata,
Taluka - Bhiwandi, Dist: Thane - 421 302.
Tel.: +91 98138 62756 / 98339 74756
E-mail: admin@qatech.co.in | Website: www.qatech.co.in



ULR - CC28812200002646F

Calibration Certificate

CC - 2061

Date of Calibration	Recommended Date for Next Calibration	Issue Date	Certificate No.
23.02.2022	22.02.2023 (Recommended By Customer)	23.02.2022	QATM - 22021407

Customer Name and Address		QA Tech (A Division of GMP Technical Solutions Pvt. Ltd.) Gala No. 1 & 2, Bldg No. F-6, 1st Floor, Angel Logistic Park, Thane- Nasik Highway, Village - Pimpas, Taluka - Bhiwandi, Dist - Thane, 421 302.	
Calibration Request Reference	Verbal Request	SRF No. : SRF - 21020087	
Test Equipment Specifications			
Location	Bhiwandi	Department	Calibration
Equipment Name	Digital Thermometer with Sensor	Range	-100 to 300 °C
Make	Yudian	Operating Range	--
Model	AI-5600	Resolution	0.01 °C
Serial No.	201550424	Accuracy	± 0.02 % rdg +0.06 °C (Indi.), 1/3 DIN (Sensor)
ID No.	QA/MUM/CAL/DTS 18 (Indi.), QA/MUM/CAL/DTS-18A,18B (Sensor)	Calibration Procedure No	QATM-WI-T-01L,02L,03L
Date of Equipment Receipt	23.02.2022	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.
Semi Standard PRTs with Digital Reference Thermometer	Isotech	TT-10, 935-14-72	QATM/CAL/TL-02, QATM/CAL/TL-02A, QATM/CAL/TL-02B	28.07.2022	NE/G-0510/1422/2021

Thermal Calibration

OBSERVATION

PARAMETER : Temperature

Range °C	Reading on UUC °C		Reading On Standard °C	Deviation °C		Expanded Uncertainty (±) °C
	Sensor-18A	Sensor-18B		Sensor-18A	Sensor-18B	
	-100 to 300	-80.16 0.05 99.93 199.85 299.81		-80.18 0.03 99.91 199.87 299.83	-80.053 0.088 99.985 200.04 300.03	

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.
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 (Ankit Rane)		Authorised Signatory Technical Manager (Rakesh Bhalerao)
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QATM/F1-13/7.8

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

Page 01 of 01

GMP Technical Solutions Private Limited

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

Corporate Identity Number (CIN): | Tel: +91 22 49716529
U74999MH2003PTC142312

Email : enquiry@gmptech.net
Website : www.gmptech.net