



GLOBAL TECHNICAL SERVICES

Sec. No.25, Plot No.49/3, L.I.G. Colony, Pradhikaran, Nigdi, Pune - 411044

Email : globaltechnical007@gmail.com

Mob : 9921239827 / 7276470703 / 9028888728



CERTIFICATE NO. : CC-2957

CALIBRATION CERTIFICATE

1.CUSTOMER :- State Referral Laboratory Microbiology Department Dr. V.M. Govt. Medical College Solapur-413003	Page No. :- 1 of 1 Certificate No. :- GTS/201207/02-001 Date of Received :- 07.12.2020 Date of Calibration :- 07.12.2020 Next Calibration Due On :- 07.12.2021 Issue Date :- 08.12.2020 Calibration method No. :- MECH-WI-07 ULR No :- CC295720000010355F
Ambient Temp. (°C) :- 29.4 Relative Humidity (%RH) :- 50 Location of calibration :- On Site Condition of Item :- Ok	

2. Description of Item

Name :- Centrifuge	Range :- 0 to 4500 RPM
Id No :- SRL/VMGMC/Micro Dept/CF-01	Least Count :- 10 RPM
Make :- REMI R – 8C	Sr No :- ZBCN-07761
Type :- Digital	

3.Details of Equipment used for calibration

Name	Certificate No.	Certified By	ID No.	Calibration Validity
Digital Tachometer	NI/2006/002/002	Nishitronics Instrumentation	GTS/TM/01	01.06.2021

*Mechanical Calibration

4.Calibration Results :-

Calibration Points RPM	Standard Reading RPM	UUC Reading RPM	Error in RPM	Expanded Uncertainty in \pm %
1000	1002	1000	-2	1.20
2000	2005	2000	-5	1.20
3000	3009	3000	-9	1.20
4000	4012	4000	-12	1.20
4500	4515	4500	-15	1.20

Note:

- 1)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 normal distribution
- 2) This certificate refers only to the particular item submitted for calibration. UUC stands for Unit Under Calibration.
- 3) The calibration results reported in the certificate are valid at the time of and under the stated conditions of measurement.
- 4) Calibration point were selected as per customer specifications.
- 5) This certificate shall not be reproduced, except in full unless written permission for the publication of an approved abstract has been obtained from the Technical Manager of "Global Technical Services, Pune".

Calibrated By

Calibration Engineer

D Ballal



Approved By

Technical Manager

Swapnil Bhagwat

RF-55/01

End of Certificate

S.No. 12/13, Aundh Road, Pawar Nagar,
Thergaon, Pune - 411 033.
Website : www.mastertechsystems.in
Email : service@mastertechsystems.in
Mobile : +91 9623057200 /8408097666



**MASTERTECH
SYSTEMS**
WHEN QUALITY MATTERS

CALIBRATION CERTIFICATE

Certificate No.	:- 2021/1207/05-02	ULR No.	:- CC291120000016861F
Date of Calibration	:- 7-Dec-2020	Calibration Due Date	:- 7-Dec-2021
1. Clients Name & Address :	SRF No. :- 2021/1207/05		
State Referral Laboratory	Date of Received :- 7-Dec-2020		
Microbiology Department	Cal. Cert. Issue Date :- 9-Dec-2020		
Dr. V.M. Govt. Medical College	Condition of UUC :- OK		
Solapur-413003	Location of calibration :- On Site		
	Calibration Procedure No. :- MTS/ET/WI-10		

2. Environmental Conditions: Temperature: 24.6 °C Relative Humidity: 51 % Rh

3. Description of UUC

Name :- Timer (VDRL Rotator)	Range :- 0 to 99	min
Make :- Electronic DT-1045	Resolution :- 1	min
ID No. :- SRL/VMGMC/Micro Dept/TM-03		
Type :- Digital		

4. Reference Standards used for calibration:

Name :- Digital Time Calibrator
Make / Model :- Saica / SCSTC-01
I.D No./Sr. No. :- MTS/TM-01 / 201805001
Certificate No. :- E20/22/2006/82/01
Calibration Validity :- 19-June-2021
Certified By :- AICL (CC-2638)
Range/Uncertainty :- 0 to 999999.999 sec / 0.02 to 1.3 sec

5. Calibration Results

Electro-Technical Calibration

Sr.No.	Calibration Point	UUC Reading	Standard Reading	Deviation	Expanded Uncertainty
	min	min	min	min	± sec
1	1	1	1.00	0.00	1.50
2	5	5	5.00	0.00	1.50
3	10	10	10.00	0.00	1.50
4	30	30	30.01	-0.01	1.50
5	60	60	60.01	-0.01	1.50

NOTES:

- The value measured of uuc & standard are mean of 5 reading.
- The reported uncertainty is the expanded uncertainty in measurement obtained by multiplying the standard uncertainty by coverage factor K=2, which corresponds to a coverage probability of approximately 95.45% for normal distribution
- This certificate refers only to the particular UUC submitted for calibration. UUC stands for Unit Under Calibration.
- The calibration results reported in the certificate are valid at the time of and under the stated conditions of measurement.
- This certificate shall not be reproduced, except in full unless written permission for the publication of an approved abstract has been obtained from "Mastertech Systems" Pune.
- The Instruments used for calibration are traceable to National/International standards and their calibrations are valid.

Calibrated By

SC

Mr. Shafiq Chavhan



Approved By

MS

Mr. Daulat Shete

S.No. 12/13, Aundh Road, Pawar Nagar,
Thergaon, Pune - 411 033.
Website : www.mastertechsystems.in
Email : service@mastertechsystems.in
Mobile : +91 9623057200 /8408097666



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CALIBRATION CERTIFICATE

Certificate No. :- 2021/0103/02-01 ULR No. :- CC291121000000210F
Date of Calibration :- 3-Jan-2021 Calibration Due Date :- 3-Jan-2022

1. Clients Name & Address : SRF No. :- 2021/0103/02
State Referral Laboratory Date of Received :- 3-Jan-2021
Microbiology Department Cal. Cert. Issue Date :- 5-Jan-2021
Dr. V.M. Govt. Medical College Condition of UUC :- OK
Solapur-413003 Location of calibration :- On Site
Calibration Procedure No. :- MTS/ET/WI-10

2. Environmental Conditions: Temperature: 25.3 °C Relative Humidity: 47 % Rh

3. Description of UUC

Name :- Timer (VDRL Rotator) Range :- 0-99 MIN
Make :- Remi RS-12/ 10/10 Resolution :- 1 MIN
ID No. :- SRL/VMGMC/Micro Dept/TM-04 Location :- JDCM-1966
Type :- Digital

4. Reference Standards used for calibration:

Name :- Digital Time Calibrator
Make / Model :- Saica / SCSTC-01
I.D No./Sr. No. :- MTS/TM-01 / 201805001
Certificate No. :- E20/22/2006/82/01
Calibration Validity :- 19-June-2021
Certified By :- AICL (CC-2638)
Range/Uncertainty :- 0 to 999999.999 sec / 0.02 to 1.3 sec

5. Calibration Results

Electro-Technical Calibration

Sr.No.	Calibration Point	UUC Reading	Standard Reading	Deviation	Expanded Uncertainty
	MIN	MIN	MIN	MIN	± sec
1	1.0	1.0	1.00	0.0	1.50
2	5.0	5.0	5.00	0.0	1.50
3	10.0	10.0	10.00	0.0	1.50
4	30.0	30.0	30.00	0.0	1.50
5	60.0	60.0	60.00	0.0	1.50

NOTES:

- The value measured of uuc & standard are mean of 5 reading.
- The reported uncertainty is the expanded uncertainty in measurement obtained by multiplying the standard uncertainty by coverage factor K=2, which corresponds to a coverage probability of approximately 95.45% for normal distribution
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- The Instruments used for calibration are traceable to National/International standards and their calibrations are valid.

Calibrated By

Mr. Shafik Chorgaste



Approved By

Mr. Daulat Shete

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Thergaon, Pune - 411 033.
Website : www.mastertechsystems.in
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**MASTERTECH
SYSTEMS**
WHEN QUALITY MATTERS

CALIBRATION CERTIFICATE

Certificate No. :- 2021/1207/05-01	ULR No. :- CC291120000016860F
Date of Calibration :- 7-Dec-2020	Calibration Due Date :- 7-Dec-2021
1. Clients Name & Address : State Referral Laboratory Microbiology Department Dr. V.M. Govt. Medical College Solapur-413003	SRF No. :- 2021/1207/05 Date of Received :- 7-Dec-2020 Cal. Cert. Issue Date :- 9-Dec-2020 Condition of UUC :- OK Location of calibration :- On Site Calibration Procedure No. :- MTS/ET/WI-10

2. Environmental Conditions: Temperature: 25.6 °C Relative Humidity: 54 % Rh

3. Description of UUC

Name :- Timer	Range :- 0 to 99 min
Make :- REMI R-8C	Resolution :- 1 min
No. :- SRL/VMGMC/Micro Dept/CF-TM-01	
Type :- Digital	

4. Reference Standards used for calibration:

Name :- Digital Time Calibrator
Make / Model :- Saica / SCSTC-01
I.D No./Sr. No. :- MTS/TM-01 / 201805001
Certificate No. :- E20/22/2006/82/01
Calibration Validity :- 19-June-2021
Certified By :- AICL (CC-2638)
Range/Uncertainty :- 0 to 999999.999 sec / 0.02 to 1.3 sec

5. Calibration Results

Electro-Technical Calibration

Sr.No.	Calibration Point	UUC Reading	Standard Reading	Deviation	Expanded Uncertainty
	min	min	min	min	± sec
1	1	1	1.00	0.00	1.50
2	5	5	5.00	0.00	1.50
3	10	10	10.00	0.00	1.50
4	30	30	30.00	0.00	1.50
5	60	60	60.01	-0.01	1.50

NOTES:

- The value measured of uuc & standard are mean of 5 reading.
- The reported uncertainty is the expanded uncertainty in measurement obtained by multiplying the standard uncertainty by coverage factor K=2, which corresponds to a coverage probability of approximately 95.45% for normal distribution
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- The Instruments used for calibration are traceable to National/International standards and their calibrations are valid.

Calibrated By

SC

Mr. Shafiq Chergate



Approved By

Mr. Daulat Shete



LiBA CORPORATION

Blood Bank & Laboratory Equipments, NABL Traceability Calibration Services, Air Conditioning Services & Home Appliances.

Distributors of: **SPAN** **TECHSONIC** **Sensory Integrity** **LTRA** **SUPER REFRIGERATION**

CALIBRATION CERTIFICATE

Certificate No: - LTR/LC/SUR/8250.01/21

Date: 25/01/2021

Equipment : Digital Temp Thermometer
Location : S R L lab
User ID : DVMCS/DTT/03
Make : Digital Series
Sr.No. : N.A.
Equip range : (-100) °C to 200°C
Calibration requested : 2°C to 6°C
Status of Equipment : WORKING
Environmental conditions
Ambient temp. : 25±4 °C
Relative Humidity : ≤ 70% RH
Calibrated "On Site" at Customer's address
Name of Customer : The Dean, Dr V.M.Medical College, Solapur
Address of Customer : Opp Civil Court, Civil Chowk, Near Rang Bhavan, Solapur.
Calibration Date : 25/01/2021
Calibration Validity : 24/01/2022

Details of Equipment used for Calibration

No	Description	Certified by	Instrument ID No	Certificate No	Calibration date	Validity
1	Multi stem Thermometer	GLOBAL TECHNICAL SERVICES	ST9269B	GTS/201008/01-001	08/10/2020	07/10/2021

Observations Table

No.	Standard Reading (°C)	Mean DUG Reading (°C)	Accuracy Claimed	Uncertainty (±) (°C)
1	2.2	2.276	NOT SPECIFIED	0.666
2	3.1	3.154	"	0.678
3	4.0	4.021	"	0.625
4	6.2	6.0232	"	0.638
5	6.1	6.188	"	0.672

1. Calibration Traceable to National Standards.
2. Overall deviation is within specified accuracy.
3. Result is related only to the item calibrated.
4. Maximum tolerance Permissible is + 1°C & + 5°C whichever is applicable.
5. We will not be liable for any change in calibration data & performance specification on account of malfunctioning of standard / Instrument / equipment due to any damage caused to It after the report, in respect of it being issued.

REMARK: ACCEPTED

 Calibrated by: Riyaz Pathan	 Approved & Authorized by: Riyaz Pathan	 Seal
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LiBA CORPORATION

Blood Bank & Laboratory Equipments, NABL Traceability Calibration Services, Air Conditioning Services & Home Appliances.

Distributors of: **SPAN** **TECHSONIC** **SUPER REFRIGERATION**

CALIBRATION CERTIFICATE

Certificate No: - LTR/LC/SUR/8249.01/21

Date: 25/01/2021

Equipment : Digital Temp Thermometer
Location : S R L lab / ICTC
User ID : DVMMS/DTT/02
Make : Digital Series
Sr.No. : N.A.
Equip range : (-100) °C to 200°C
Calibration requested : 2°C to 6°C
Status of Equipment : **WORKING**
Environmental conditions
Ambient temp. : 25±4 °C
Relative Humidity : ≤ 70% RH
Calibrated "On Site" at Customer's address
Name of Customer : The Dean, Dr V.M.Medical College, Solapur
Address of Customer : Opp Civil Court, Civil Chowk, Near Rang Bhavan, Solapur.
Calibration Date : 25/01/2021
Calibration Validity : 24/01/2022

Details of Equipment used for Calibration

No	Description	Certified by	Instrument ID No	Certificate No	Calibration date	Validity
1	Multi stem Thermometer	GLOBAL TECHNICAL SERVICES	ST9269B	GTS/201008/01-001	08/10/2020	07/10/2021

Observations Table

No.	Standard Reading (°C)	Mean DUG Reading (°C)	Accuracy Claimed	Uncertainty (±) (°C)
1	4.0	4.056	NOT SPECIFIED	0.618
2	4.1	4.134	"	0.628
3	2.0	2.023	"	0.637
4	4.2	4.217	"	0.663
5	6.1	6.182	"	0.666

1. Calibration Traceable to National Standards.
2. Overall deviation is within specified accuracy.
3. Result is related only to the item calibrated.
4. Maximum tolerance Permissible is + 1°C & ± 5°C whichever is applicable.
5. We will not be liable for any change in calibration data & performance specification on account of malfunctioning of standard / Instrument / equipment due to any damage caused to It after the report, in respect of it being issued.

REMARK: ACCEPTED

 Calibrated by: Riyaz Pathan	 Approved & Authorized by: Riyaz Pathan	 Seal
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LiBA CORPORATION

Blood Bank & Laboratory Equipments, NABL Traceability Calibration Services, Air Conditioning Services & Home Appliances.

Distributors of: **SPAN** **TECONIC** *Serving to play it* **SUPER REFRIGERATION**

CALIBRATION CERTIFICATE

Certificate No: - LTR/LC/SUR/8248.01/21

Date: 25/01/2021

Equipment : Digital Temp Thermometer
Location : S R L lab
User ID : DVMMCS/DTT/01
Make : Digital Series
Sr.No. : N.A.
Equip range : (-100) °C to 200°C
Calibration requested : 2°C to 6°C
Status of Equipment : **WORKING**
Environmental conditions
Ambient temp. : 25±4 °C
Relative Humidity : ≤ 70% RH
Calibrated "On Site" at Customer's address
Name of Customer : The Dean, Dr V.M.Medical College, Solapur
Address of Customer : Opp Civil Court, Civil Chowk, Near Rang Bhavan, Solapur.
Calibration Date : 25/01/2021
Calibration Validity : 24/01/2022

Details of Equipment used for Calibration

No	Description	Certified by	Instrument ID No	Certificate No	Calibration date	Validity
1	Multi stem Thermometer	GLOBAL TECHNICAL SERVICES	ST9269B	GTS/201008/01-001	08/10/2020	07/10/2021

Observations Table

No.	Standard Reading (°C)	Mean DUG Reading (°C)	Accuracy Claimed	Uncertainty (±) (°C)
1	4.2	4.235	NOT SPECIFIED	0.698
2	5.1	5.162	"	0.699
3	4.0	4.072	"	0.674
4	4.2	4.248	"	0.624
5	6.1	6.123	"	0.678

1. Calibration Traceable to National Standards.
2. Overall deviation is within specified accuracy.
3. Result is related only to the item calibrated.
4. Maximum tolerance Permissible is ± 1°C & ± 5°C whichever is applicable.
5. We will not be liable for any change in calibration data & performance specification on account of malfunctioning of standard / Instrument / equipment due to any damage caused to It after the report, in respect of it being issued.

REMARK: ACCEPTED

 Calibrated by: Riyaz Pathan	 Approved & Authorized by: Riyaz Pathan	
---------------------------------	--	--



GLOBAL TECHNICAL SERVICES

Sec. No.25, Plot No.49/3, L.I.G. Colony, Pradhikaran, Nigdi, Pune - 411044

Email : globaltechnical007@gmail.com

Mob : 9921239827 / 7276470703 / 9028888728



CERTIFICATE NO. : CC-2957

CALIBRATION CERTIFICATE

1.CUSTOMER	:-	Page No.	:- 1 of 1
Liba Corporation (LTR)		Certificate No.	:- GTS/201008/01-001
51/5,Yemul Vihar Complex,		Date of Received	:- 08.10.2020
Shop No-G-2,North Sadar Bazar,		Date of Calibration	:- 08.10.2020
Solapur-413003		Next Calibration Due On	:- 07.10.2021
Ambient Temp. (°C)	:- 25.5	Issue Date	:- 08.10.2020
Relative Humidity (%RH)	:- 50	Calibration method No.	:- TH-WI-02
Location of calibration	:- In Lab	ULR No	:- CC295720000005798F
Condition of Item	:- Ok		

2. Description of Item

Name	:- Thermometer	Range	:- -50 to 300 °C
Sr No	:- ST9269B	Least Count	:- 0.1 °C
Make	:- Eurolab		
Type	:- Digital		

3.Details of Equipment used for calibration

Name	Certificate No.	Certified By	ID No.	Calibration Validity
Precision Thermometer With Sensor	NI/2006/002/001	Nishitronics Instrumentation	GTS/PTH/01	01.06.2021

*Thermal Calibration

4.Calibration Results

Calibration Points °C	Corrected Standard Reading °C	UUC Reading °C	Error in °C	Expanded Uncertainty in ± °C
-35	-34.82	-35	-0.18	0.80
0	0.00	0	0.00	0.80
50	50.15	50	-0.15	0.80
150	150.26	150	-0.26	0.80

Note:

- 1)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 normal distribution
- 2) This certificate refers only to the particular item submitted for calibration. UUC stands for Unit Under Calibration.
- 3) The calibration results reported in the certificate are valid at the time of and under the stated conditions of measurement.
- 4) Calibration point were selected as per customer specifications.
- 5) This certificate shall not be reproduced, except in full unless written permission for the publication of an approved abstract has been obtained from the Technical Manager of "Global Technical Services, Pune".
- 6) UUC : - diameter : 3 mm & immersion depth : 40 mm

Calibrated By

Calibration Engineer
D Ballal

RF-55/01



Approved By

Technical Manager
Swapnil Bhagwat

End of Certificate



TECHNOCAL



ACCREDITATION FOR MECHANICAL, THERMAL & ELECTRO - TECHNICAL CALIBRATION LABORATORY

CERT. No. CC-2580

CALIBRATION CERTIFICATE

1. CLIENT'S ADDRESS :- Liba Corporation (LTR) 51/5, Yemul Vihar Complex, Shop No-G-2, North Sadar Bazar,	CRF No. :- CAL/2010/008 Page No. :- 1 of 1 ULR No :- CC255020000000425F Certificate No. :- LC/CAL-2010/08-001 Date of Received / Mode :- 08.10.2020 / By Hand
Environmental Condition Ambient Temp. :- 23.6 °C Relative Humidity :- 51 %RH Location of calibration :- In Lab Condition of Item :- OK	Reference Challen no :- Letter Date of Calibration :- 08.10.2020 Date of Issue certificate :- 08.10.2020 Next Calibration Due On :- 07.10.2021 Calibration method No. :- TECH-M-WI-06

2. Description of Item (UUC)	
Name :- Tachometer ID/Sr. No. :- S846604 Make & Model :- Kusam Mecco KM-2234BL Type :- Digital	Range :- 0 to 99999 RPM Least Count :- 0.1 RPM Upto 999.9 RPM & 1 RPM above 1000 RPM

3. Detail of Equipment used for calibration	
Name :- Digital Tachometer Make :- Lutron Certificate No. :- M-191001-15-1 Certified By :- Lawkim Motors Group ID/Sr. No. :- TECH/MTM/001 , AC05002 Calibration Validity :- 09/10/2020	

4. Calibration Results :-		Standard Reading	UUC Reading	Error in	Expanded
Calibration Points	RPM	RPM	RPM	RPM	Uncertainty in ± RPM
	16	16.3	16.8	0.5	0.7
	1000	1003	1003	0	2.5
	5000	5005	5009	4	5.9
	10000	10007	10012	5	10.9
	25000	25011	25021	11	16.5

*Value mentioned above is mean of 5 readings

Note:

- 1) 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% for normal distribution
- 2) This certificate refers only to the particular item submitted for calibration. UUC stands for Unit Under Calibration.
- 3) This certificate shall not be reproduced, except in full unless written permission for the publication of an approved abstract has been obtained from the Technical Manager of "Technocal , Mohopada".
- 4) The calibration results reported in the certificate are valid at the time of and under the stated conditions of measurement.
- 5) Calibration point were selected as per customer specifications.

Calibrated By



Calibration Engineer
Name : Sanjay More

Approved By



Technical Manager
Name Santosh Sardar

TF-39, REV:00

End of Page

Office : Technocal, Opp. Cipla R3 Colony, Bhagirathi Nivas, Mohopada (Nr. Janata Vidyalaya School), Tal. Khalapur, Dist. Raigad. (MH) 410 222, C/o. Vishwajeet Society, Durgamata Colony, New Rees Chambharli, Po. Mohopada, Tal. Khalapur, Dist. Raigad, SSI No. 27/024/21/00582, Dist. Raigad - Alibaug (MH), Contact : 09370047125/09209293522. E-mail : technocal.ca@gmail.com

S.No. 12/13, Aundh Road, Pawar Nagar,
Thergaon, Pune - 411 033.
Website : www.mastertechsystems.in
Email : service@mastertechsystems.in
Mobile : +91 9623057200 /8408097666



**MASTERTECH
SYSTEMS**
WHEN QUALITY MATTERS

CALIBRATION CERTIFICATE

Certificate No. :- 2021/1008/01-01	ULR No. :- CC291120000011708F
Date of Calibration :- 8-Oct-2020	Calibration Due Date :- 7-Oct-2021
1. Clients Name & Address : Liba Corporation (LTR) 51/5, Yemul Vihar Complex, Shop No-G-2, North Sadar Bazar, Solapur-413003	SRF No. :- 2021/1008/01 Date of Received :- 8-Oct-2020 Cal. Cert. Issue Date :- 9-Oct-2020 Condition of UUC :- OK Location of calibration :- In Lab Calibration Procedure No. :- MTS/ET/WI-10

2. Environmental Conditions: Temperature: 23.7 °C Relative Humidity: 53 % Rh

3. Description of UUC

Name :- Timer	Range :- 0 to 99 min
Make :- Racer	Resolution :- 1 min
I.D No. :- 6W-01	
Type :- Digital	

4. Reference Standards used for calibration:

Name :- Digital Time Calibrator
Make / Model :- Saica / SCSTC-01
I.D No./Sr. No. :- MTS/TM-01 / 201805001
Certificate No. :- E20/22/2006/82/01
Calibration Validity :- 19-June-2021
Certified By :- AICL (CC-2638)
Range/Uncertainty :- 0 to 999999.999 sec / 0.02 to 1.3 sec

5. Calibration Results

Electro-Technical Calibration

Sr.No.	Calibration Point	UUC Reading	Standard Reading	Deviation	Expanded Uncertainty
	min	min	min	min	± sec
1	5	5	5.00	0.00	1.50
2	10	10	10.00	0.00	1.50
3	20	20	20.01	-0.01	1.50
4	30	30	30.01	-0.01	1.50
5	60	60	60.01	-0.01	1.50

NOTES:
 1. The value measured of uuc & standard are mean of 5 reading.
 2. The reported uncertainty is the expanded uncertainty in measurement obtained by multiplying the standard uncertainty by coverage factor K=2 which corresponds to a coverage probability of approximately 95.45% for normal distribution
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 5. This certificate shall not be reproduced, except in full unless written permission for the publication of an approved abstract has been obtained from "Mastertech Systems" Pune.
 6. The instruments used for calibration are traceable to National/International standards and their calibrations are valid.

Calibrated By *SC*
 Mr. Shafik Chorgaste
 Calibration Engineer

Approved By *[Signature]*
 Mr. Daulat Shete
 Technical Manager





GLOBAL TECHNICAL SERVICES

Sec. No.25, Plot No.49/3, L.I.G. Colony, Pradhikaran, Nigdi, Pune - 411044

Email : globaltechnical007@gmail.com

Mob : 9921239827 / 7276470703 / 902888728



CERTIFICATE NO. : CC-2957

CALIBRATION CERTIFICATE

1.CUSTOMER :- Liba Corporation (LTR) 51/5, Yemul Vihar Complex, Shop No-G-2, North Sadar Bazar, Solapur-413003	Page No. :- 1 of 2 Certificate No. :- GTS/201008/01-002 Date of Received :- 08.10.2020 Date of Calibration :- 08.10.2020 Next Calibration Due On :- 07.10.2021 Issue Date :- 08.10.2020 Calibration method No. :- MECH-WI-04 ULR No :- CC295720000005799F
Ambient Temp. (°C) :- 24.4 Relative Humidity (%RH) :- 52 Location of calibration :- In Lab Condition of Item :- Ok	

2. Description of Item

Name :- Weight Box	Range :- 1g to 200 g
Id No :- LSS/WB -01	Least Count :-
Make :-	

3. Details of Equipment used for calibration

Name	Certificate No.	Certified By	ID/Sr. No.	Calibration Validity
Weight Box	HTC/2020/06/742	Hi-Tech Calibration	6806	08.06.2021
Dig. Weighing Balance	NI/GTS/030620/004	Nishitronics Instruments	GTS/WB-01	02.06.2021

4. Calibration Results :-

*Mechanical Calibration

Sr.No.	Denomination	Mass value (g)	Uncertainty of measurement (\pm mg)
9	200 g	199.9981	0.40
8	100 g	99.9988	0.40
7	50 g	50.00088	0.30
6	20 g	19.99967	0.30
5	10 g	9.99970	0.20
4	5 g	4.99994	0.20
3	2 g	1.99983	0.13
2	*2 g	2.00025	0.13
1	1 g	1.00010	0.13





GLOBAL TECHNICAL SERVICES

Sec. No.25, Plot No.49/3, L.I.G. Colony, Pradhikaran, Nigdi, Pune - 411044

Email : globaltechnical007@gmail.com

Mob : 9921239827 / 7276470703 / 9028888728



CERTIFICATE NO. : CC-2957

Certificate No.: GTS/201008/01-002

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Mass Value of all weights are conventional mass values and within the maximum error permissible in "F2" Accuracy class of weights as per OIML 111-1:2004

Note:

- 1) 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 normal distribution
- 2) This certificate issued for scientific and industrial purpose
- 3) This certificate refers only to the particular item submitted for calibration
- 4) This certificate shall not be reproduced, except in full unless written permission for the publication of an approved abstract has been obtained from the Technical Manager of "Global technical Services, Pune".
- 5) The calibration results reported in the certificate are valid at the time of and under the stated conditions of measurement.
- 6) The reported mass value are conventional mass (M_c) values to be obtain the true mass value use the formula $M_c = M_t[1 - 1.2(1/d - 1/8000)]$, where d = assumed density of test weight in kg/cm^3

Calibrated By

Calibration Engineer
D Ballal

RF-50/00



Approved By

Technical Manager
Swapnil Bhagwat

End of Certificate



PIPETTE CALIBRATION REPORT

Product code: 4642090
 Description: Finnpiquette F2 100-1000µl
 Pipette sn: QW12651
 Volume: 100 - 1000 µl
 Nr.of channels: 1
 Tip: Finntip Flex 1000

Manufacturer: Thermo Fisher Scientific, India Pvt. Ltd., Nasik 422 007
 Tested by: 829146

Date:	01.11.2019	Time:	11:46:30
Temperature:	25.4 °C	Air Pressure:	941.6 hPa
Z-factor:	1.0041	Humidity:	Moisture trap in use
Balance:	MT SICS XP205		
Balance sn:	B115129036, Calibrated on 23.11.2018		

Volume	100.0 µl	1000.0 µl
1	99.8	999.6
2	100.1	1001.2
3	100.1	1000.1
4	99.5	999.4
5	100.0	999.6

Mean	99.9 µl	999.9 µl
Acc±%	-0.12	-0.01
CV%	0.25	0.07
	PASSED	PASSED

Manufacturer specifications:

Volume:	100 µl	Acc±% 1.00	CV% 0.60
Volume:	1000 µl	Acc±% 0.60	CV% 0.20

Manufacturer specifications meet the requirements of ISO 8655