

TULIP DIAGNOSTICS (P) LTD., (INSTRUMENTS DIVISION)

BAMBOLIM, ST-INEZ & VERNA - GOA

**Hyderabad Office:**

H. No. #5-70, Beside Andhra Bank, Street No. 8,

Habsiguda, Hyderabad - 500 007, INDIA,

Tel.: (040) 27177885, +91 7995001872

E-mail: tulipgroup.hyderabad@gmail.com No: SOP/ID/013

CC No: CC18/ID/001

### CALIBRATION CERTIFICATE

Model: Turbodyne-SC

Calibration Date: 26-07-2021

Sr. No.: P15070195

Calibration Due Date: 25-07-2022

- 1) SCOPE: CALIBRATION OF Turbodyne SC
- 2) ITEM DETAILS: Nomenclature Turbidimetry & Nephelometer Analyzer  
Type / Model Turbodyne SC
- 3) DETAILS OF TEST EQUIPMENTS USED:
  - 1) GLASS THERMOMETER
  - 2) DIGITAL STOP WATCH
- 37) MEASUREMENTS AND CHECKS CARRIED OUT UNDER STANDARD LABORATORY CONDITIONS.

AMBIENT TEMPERATURE: 25.0 °C - 30.0 °C RH %: 80.0

5) TEST RANGE AND ACCURACY:

- 1) Incubator Temperature:  $\pm 1$  °C of 37 °C

OBSERVATION:


MODULE		READINGS					RANGE	ERROR OBSERVED	RESULT
		1	2	3	4	5			
1	TEMP IN °C	36.7	36.9	37.9	36.8	37.1	< $\pm 1$ °C	< $\pm 0.2$ °C	PASS
2	Machine Chronometer in seconds	5	50	120	300	600	< 5%	< 5%	PASS
3	External Chronometer check count in seconds	4.76	48.9	118.6	297.1	594	< 5%	< 5%	PASS

6) CONCLUSION & REMARKS:

- 1) The standards used for calibration were calibrated using reference standards traceable to National Standards. Reference standards traceability details are as given below:

SR. NO.	DESCRIPTION	SL NO. \ MODEL	BASIC ACCURACY	TRACEABILITY
1	GLASS THERMOMETER	MT1801/ZEAL	$\pm 0.1$ °C	QATECH/GOA/01/21/MT1801
2	DIGITAL STOP WATCH	901194005647/ NIVIA	$\pm 0.07$ sec	QATECH/GOA/01/19/901194005647

- 2) Calibration of instruments valid only if it is ensured that handling, Preservation and storage of the instrument is such that accuracy and fitness for use is maintained.
- 3) Calibration of instruments is valid only if it is used specified environmental conditions.
- 4) Calibration of instruments is valid only if adequate safeguard is provided during servicing and maintenance.

CALIBRATED BY:  [Dinesh Kumar]



APPROVED BY: 

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H. No. #5-70, Beside Andhra Bank, Street No. 8,  
 Habsiguda, Hyderabad - 500 007, INDIA.  
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Ref SOP No: SOP/ID/013  
 CC No: CC18/ID/001

CALIBRATION CERTIFICATE

Model: Turbodyne-SC Incubator

Calibration Date: 26-07-2021

Sr. No.: 734

Calibration Due Date: 25-07-2022

- 1) SCOPE: CALIBRATION OF Turbodyne SC Incubator
- 2) ITEM DETAILS: Nomenclature Incubator  
 Type / Model Turbodyne SC Incubator
- 3) DETAILS OF TEST EQUIPMENTS USED:  
 1) GLASS THERMOMETER
- 4) MEASUREMENTS AND CHECKS CARRIED OUT UNDER STANDARD LABORATORY CONDITIONS.  
 AMBIENT TEMPERATURE: 25.0 °C - 30.0 °C RH %: 80.0
- 5) TEST RANGE AND ACCURACY:  
 1) Incubator Temperature:  $\pm 1$  °C of 37 °C

**OBSERVATION:**


MODULE	READINGS					RANGE	ERROR OBSERVED	RESULT
	1	2	3	4	5			
1 TEMP IN °C	36.7	36.6	37.9	36.8	37.1	$< \pm 1$ °C	$< \pm 0.3$ °C	PASS


**6) CONCLUSION & REMARKS:**

- 1) The standards used for calibration were calibrated using reference standards traceable to National Standards.  
 Reference standards traceability details are as given below:

SR. NO.	DESCRIPTION	SL NO. \ MODEL	BASIC ACCURACY	TRACEABILITY
1	GLASS THERMOMETER	MT1801/ZEAL	$\pm 0.1$ °C	QATECH/GOA/01/21/MT1801

- 2) Calibration of instruments valid only if it is ensured that handling, Preservation and storage of the instrument is such that accuracy and fitness for use is maintained.
- 3) Calibration of instruments is valid only if it is used specified environmental conditions.
- 4) Calibration of instruments is valid only if adequate safeguard is provided during servicing and maintenance.

 CALIBRATED BY:  [Dinesh Kumar]

 APPROVED BY: 



ISO 9001 : 2015  
RQ91/3144

# S.M. ENTERPRISES 25

(Calibration and Testing of Electrical, Electronic & Precision Instruments.)

Years of Services

Office / Cal. Lab : Plot No. 12, Sanjeevaiah Nagar, Co-operative Society, Besides Tadbund Hanuman Temple, Sikh Village, Secunderabad - 500 009. T.S. INDIA ☎ : (040) 27840697, 48541008  
Cell : 9848020798, 9948291008, 9948292008, 9948293008, 9948294008 Email : msudheer\_98@yahoo.com, msudheer\_98@smentp.org, SME\_003@YAHOO.IN, url : www.smentp.org

## CALIBRATION CERTIFICATE

CALIBRATION ON 22/09/2020	CALIBRATION DUE 21/09/2021
1. Calibration Report Ref. No. & Date :	SME/NA/PH/PIPTT/2020;Dt:22/09/2020
2. Requested by : (Name and address of the organization)	M/s.PACE HOSPITALS Beside Hotel Avasa,Hitech City,Hyderabad-500081,Telangana
3 Instrument under calibration	Pipette
4 Make /Model	TURBODYNE SC
5 .Instrument ID .No	PHM/BME/LAB/PIPTT/06
6 .Instrument SL .No	388234
7 Range	Volume 2-20ul
8 Accuracy	1% FSD
9 .Department:	Lab
10. Environmental Conditions	28 +/-1 Deg C; R.H-65+/-2%
11 Test parameter & condition	Standard Volume With Standard Weight Box
12. Standard Instruments used for Calibration	Std Weights with balance
13 Traceability Certificate Ref. No.	METSAR/0448/002,Date:02/06/2020,Due:01/06/2021.

Sl No	PARAMETER OF STANDARD in uL	Test Results	
		READING OF Pipette UNDER CALIBRATION in uL	Error Value in uL
1	2	2.5	0.5
2	5	5.5	0.5
2	10	9.3	0.7
1	15	14.4	0.6
3	20	19.6	0.4

PLEASE NOTE: THE INSTRUMENTS ERROR FOUND TO BE WITHIN THE SPECIFIED ACCURACY LIMIT AND THIS CERTIFICATE VALID FOR PERIOD OF ONE YEAR FROM THE DATE OF ISSUE.

CALIBRATED BY  
S . M. ENTERPRISES

VERIFIED BY  
M/s.PACE HOSPITALS

ENGINEER INCHARGE





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1. Calibration Report Ref. No. & Date :	SME/NA/PH/RTP/2020;Dt:22/09/2020
2. Requested by : (Name and address of the organization)	M/s.PACE HOSPITALS Beside Hotel Avasa,Hitech City,Hyderabad-500081,Telangana
3. Equipment Name	Ref Tem Probe
4. Make / Model No	Temp Tec
5. Instrument Id. No	PHM/BME/LAB/RTP/05
6. Range	-50.0°C to 300.0°C
7. Accuracy	+/- 2.0 °C
8 Location	4th Floor
9.Department:	LAB
10. Environmental Conditions	Temperature : 28 +/- 2Deg. C.; R.H: 65 +/- 5 %
11. Test parameter & condition	Temperature V/s Temperature
12. Standard Instruments used for Calibration	Digital PID ControllerConnectedWith Low&Dry Temp Bath.
13. Traceability Certificate Ref. No.	METSAR/4207/TH/010, Dt: 07/12/2019, Due:07/12/2020

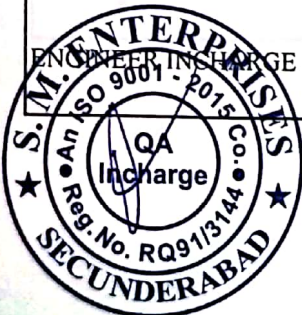
## TEST RESULTS

Sl No	Standard Reading Of Temperature in ° C	Observed Reading Of Under Calibration Instrument in ° C	Error Value in +/- ° C
1	-50.0	-50.1	0.1
2	0.0	0.2	0.2
3	50.0	50.2	0.2
4	100.0	100.3	0.3
5	200.0	200.4	0.4
6	300.0	299.8	0.2

PLEASE NOTE: THE INSTRUMENT ERROR FOUND TO BE WITHIN THE SPECIFIED ACCURACY LIMIT AND THIS CERTIFICATE VALID FOR PERIOD OF ONE YEAR FROM THE DATE OF ISSUE.

CALIBRATED BY  
S.M.Enterprises

VERIFIED BY  
M/s. PACE HOSPITAL



GSTIN : 36AFVPS4924F1ZW Service Tax No.: AFVPS4924FST001 PAN No.: AFVPS4924F  
NABL APPROVED LAB (CC-2471) / Approved Laboratory of ISO 9001-2015  
TEST EQUIPT. / STANDARDS USED ARE TRACEABLE TO NATIONAL STANDARDS



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1. Calibration Report-Ref. No. & Date :	SME/NA/PH/AM/2020;Dt:22/09/2020
2. Requested by : (Name and address of the organization)	M/s.PACE HOSPITALS Beside Hotel Avasa,Hitech City,Hyderabad-500081,Telangana
3. Instrument Name	Digital Thermo Hygro Meter
4.Make/Model:	HTC-1
5.Instrument ID No:	PHM/BME/LAB/HYDRO/01
6. Range :	0 to 50 ° C & 30 to 90 %
7. Accuracy :	+/-2° C & 5% RH
8.Department/Location:	LAB(4th Floor)
9. Environmental Conditions :	Temp/ RH : 25 +/- 2Deg C; R.H:- 65 +/- 5 %
10.Test parameter & condition :	Temperature & RH V/S Temperature& RH
11.Standard Instruments used for Calibration:	Digital Thermo HygroMeter
12. Traceability Certificate Ref. No.	METSAR/0085/001,Date:29/01/2020,Due:28/01/2021

### TEST RESULTS

SI No	Standard Reading Of Temperature & RH		Observed Reading Of Under Calibration Hygrometer in Deg C & %RH		Error Value +/-	
	Temperature in °C	RH in %	Temperature in °C	RH in %	Temp in °C	RH in %
1	10.0	30	10.2	31	0.2	1
2	20.0	50	20.2	52	0.2	2
3	30.0	60	30.3	61	0.3	1
4	40.0	80	40.2	83	0.2	3
5	50.0	90	50.2	92	0.2	2

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1. Calibration Report Ref. No. & Date :	SME/NA/PH/AM/2020;Dt:22/09/2020
2. Requested by : (Name and address of the organization)	M/s.PACE HOSPITALS Beside Hotel Avasa,Hitech City,Hyderabad-500081,Telangana
3. Instrument Name	Digital Thermo Hygro Meter
4.Make/Model:	HTC-I
5.Instrument ID No:	PHM/BME/LAB/HYDRO/02
6. Range :	0 to 50 ° C & 30 to 90 %
7. Accuracy :	+/-2° C & 5% RH
8.Department/Location:	LAB(4th Floor)
9. Environmental Conditions :	Temp/ RH : 25 +/- 2Deg C; R.H:- 65 +/- 5 %
10.Test parameter & condition :	Temperature & RH V/S Temperature& RH
11.Standard Instruments used for Calibration:	Digital Thermo HygroMeter
12. Traceability Certificate Ref. No.	METSAR/0085/001,Date:29/01/2020,Due:28/01/2021

### TEST RESULTS

SI No	Standard Reading Of Temperature & RH		Observed Reading Of Under Calibration Hygrometer in Deg C & %RH		Error Value +/-	
	Temperature in °C	RH in %	Temperature in °C	RH in %	Temp in °C	RH in %
1	10.0	30	10.2	32	0.2	2
2	20.0	50	20.2	52	0.2	2
3	30.0	60	30.4	61	0.4	1
4	40.0	80	40.2	84	0.2	4
5	50.0	90	50.3	92	0.3	2

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2. Requested by : (Name and address of the organization)	M/s.PACE HOSPITALS Beside Hotel Avasa,Hitech City,Hyderabad-500081,Telangana
3. Equipment Name	Ref Tem Probe
4. Make / Model No	Temp Tec
5. Instrument Id. No	PHM/BME/LAB/RTP/02
6. Range	-50.0°C to 300.0°C
7. Accuracy	+/- 2.0 °C
8 Location	4th Floor
9.Department:	LAB
10. Environmental Conditions	Temperature : 28 +/- 2Deg. C.; R.H: 65 +/- 5 %
11. Test parameter & condition	Temperature V/s Temperature
12. Standard Instruments used for Calibration	Digital PID ControllerConnectedWith Low&Dry Temp Bath.
13. Traceability Certificate Ref. No.	METSAR/4207/TH/010, Dt: 07/12/2019, Duc:07/12/2020

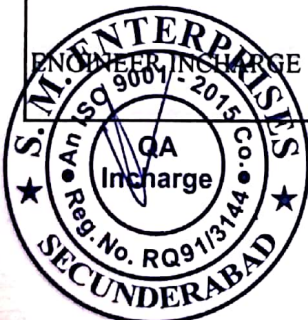
## TEST RESULTS

Sl No	Standard Reading Of Temperature in ° C	Observed Reading Of Under Calibration Instrument in ° C	Error Value in +/- ° C
1	-50.0	-50.2	0.2
2	0.0	0.2	0.2
3	50.0	50.2	0.2
4	100.0	100.2	0.2
5	200.0	200.1	0.1
6	300.0	299.8	0.2

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GSTIN : 36AFVPS4924F1ZW Service Tax No.: AFVPS4924FST001 PAN No.: AFVPS4924F  
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2. Requested by : (Name and address of the organization)	M/s.PACE HOSPITALS Beside Hotel Avasa,Hitech City,Hyderabad-500081,Telangana
3. Equipment Name	Ref Tem Probe
4. Make / Model No	TEMP TEC
5. Instrument Id. No	PHM/BME/LAB/RTP/01
6. Range	-50.0°C to 300.0°C
7. Accuracy	+/- 2.0 °C
8 Location	4th Floor
9.Department:	LAB
10. Environmental Conditions	Temperature : 28 +/- 2Deg. C.; R.H: 65 +/- 5 %
11. Test parameter & condition	Temperature V/s Temperature
12. Standard Instruments used for Calibration	Digital PID ControllerConnectedWith Low&Dry Temp Bath.
13. Traceability Certificate Ref. No.	METSAR/4207/TH/010, Dt: 07/12/2019, Due:07/12/2020

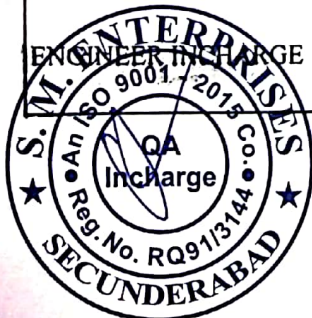
## TEST RESULTS

Sl No	Standard Reading Of Temperature in ° C	Observed Reading Of Under Calibration Instrument in ° C	Error Value in +/- ° C
1	-50.0	-50.3	0.3
2	0.0	0.3	0.3
3	50.0	50.3	0.3
4	100.0	100.2	0.2
5	200.0	200.3	0.3
6	300.0	299.7	0.3

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2. Requested by : (Name and address of the organization)	M/s.PACE HOSPITALS Beside Hotel Avasa,Hitech City,Hyderabad-500081,Telangana
3. Equipment Name	Ref Tem Probe
4. Make / Model No	Temp Tec
5. Instrument Id. No	PHM/BME/LAB/RTP/02
6. Range	-50.0°C to 300.0°C
7. Accuracy	+/- 2.0 °C
8 Location	4th Floor
9.Department:	LAB
10. Environmental Conditions	Temperature : 28 +/- 2Deg. C.; R.H: 65 +/- 5 %
11. Test parameter & condition	Temperature V/s Temperature
12. Standard Instruments used for Calibration	Digital PID ControllerConnectedWith Low&Dry Temp Bath.
13. Traceability Certificate Ref. No.	METSAR/4207/TH/010, Dt: 07/12/2019, Due:07/12/2020

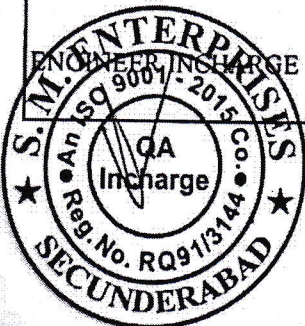
## TEST RESULTS

SI No	Standard Reading Of Temperature in ° C	Observed Reading Of Under Calibration Instrument in ° C	Error Value in +/- ° C
1	-50.0	-50.2	0.2
2	0.0	0.2	0.2
3	50.0	50.2	0.2
4	100.0	100.2	0.2
5	200.0	200.1	0.1
6	300.0	299.8	0.2

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1. Calibration Report Ref. No. & Date :		SME/NA/PH/PIPTT/2020;Dt:22/09/2020	
2. Requested by : (Name and address of the organization)		M/s.PACE HOSPITALS Beside Hotel Avasa,Hitech City,Hyderabad-500081,Telangana	
3 Instrument under calibration		Pipette	
4 Make /Model		SARTORIUS	
5 .Instrument ID .No		PHM/BME/LAB/PIPTT/04	
6 .Instrument SL .No		16563708	
7 Range		Volume 5-50 ul	
8 Accuracy		1% FSD	
9 .Department:		lab(4th Floor)	
10. Environmental Conditions		28 +/-1 Deg C; R.H-65+/-2%	
11 Test parameter & condition		Standard Volume With Standard Weight Box	
12. Standard Instruments used for Calibration		Std Weights with balance	
13 Traceability Certificate Ref. No.		METSAR/0448/002,Date:02/06/2020,Due:01/06/2021.	
		Test Results	
SI No	PARAMETER OF STANDARD in uL	READING OF Pipette UNDER CALIBRATION in uL	Error Value in uL
1	5	5.3	0.3
2	25	25.4	0.4
3	50	50.5	0.5
PLEASE NOTE: THE INSTRUMENTS ERROR FOUND TO BE WITHIN THE SPECIFIED ACCURACY LIMIT AND THIS CERTIFICATE VALID FOR PERIOD OF ONE YEAR FROM THE DATE OF ISSUE.			
CALIBRATED BY S . M. ENTERPRISES ENGINEER INCHARGE		VERIFIED BY M/s.PACE HOSPITALS	



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(Calibration and Testing of Electrical, Electronic & Precision Instruments.)

Years of Services

Office / Cal. Lab : Plot No. 12, Sanjeevaiah Nagar, Co-operative Society, Besides Tadbund Hanuman Temple, Sikh Village, Secunderabad - 500 009. T.S. INDIA © : (040) 27840697, 48541008  
Cell : 9848020798, 9948291008, 9948292008, 9948293008, 9948294008 Email : msudheer\_98@yahoo.com, msudheer\_98@smentp.org, SME\_003@YAHOO.IN, url : www.smentp.org

## CALIBRATION CERTIFICATE

CALIBRATION ON 22/09/2020	CALIBRATION DUE 21/09/2021
1. Calibration Report Ref. No. & Date :	SME/NA/PH/PIPTT/2020;Dt:22/09/2020
2. Requested by : (Name and address of the organization)	M/s.PACE HOSPITALS Beside Hotel Avasa,Hitech City,Hyderabad-500081,Telangana
3 Instrument under calibration	Pipette
4 Make /Model	ERBA
5 .Instrument ID .No	PHM/BME/LAB/PIPTT/01
6 .Instrument SL .No	NB442670
7 Range	Volume 100-1000 ul
8 Accuracy	1% FSD
9 .Department:	lab(4th Floor)
10. Environmental Conditions	28 +/-1 Deg C; R.H-65+/-2%
11 Test parameter & condition	Standard Volume With Standard Weight Box
12. Standard Instruments used for Calibration	Std Weights with balance
13 Traceability Certificate Ref. No.	METSAR/0448/002,Date:02/06/2020,Due:01/06/2021.

### Test Results

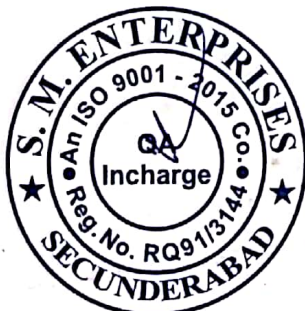
Sl No	PARAMETER OF STANDARD in uL	READING OF Pipette UNDER CALIBRATION in uL	Error Value in uL
1	100	99.7	0.3
2	500	500.2	0.2
3	1000	999.9	0.1

PLEASE NOTE: THE INSTRUMENTS ERROR FOUND TO BE WITHIN THE SPECIFIED ACCURACY LIMIT AND THIS CERTIFICATE VALID FOR PERIOD OF ONE YEAR FROM THE DATE OF ISSUE.

CALIBRATED BY  
S . M. ENTERPRISES

VERIFIED BY  
M/s.PACE HOSPITALS

ENGINEER INCHARGE



GSTIN : 36AFVPS4924F1ZW Service Tax No.: AFVPS4924FST001 PAN No.: AFVPS4924F  
NABL APPROVED LAB (CC-2471) / Approved Laboratory of ISO 9001-2015  
TEST EQUIPT. / STANDARDS USED ARE TRACEABLE TO NATIONAL STANDARDS



ISO 9001 : 2015  
RQ91/3144

# S.M. ENTERPRISES 25

Years of Services

(Calibration and Testing of Electrical, Electronic & Precision Instruments.)

Office / Cal. Lab : Plot No. 12, Sanjeevaiah Nagar, Co-operative Society, Besides Tadbund Hanuman Temple, Sikh Village, Secunderabad - 500 009. T.S. INDIA © : (040) 27840697, 48541008  
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## CALIBRATION CERTIFICATE

CALIBRATION ON 22/09/2020		CALIBRATION DUE 21/09/2021	
1. Calibration Report Ref. No. & Date :		SME/NA/PH/PIPTT/2020;Dt:22/09/2020	
2. Requested by : (Name and address of the organization)		M/s.PACE HOSPITALS Beside Hotel Avasa,Hitech City,Hyderabad-500081,Telangana	
3 Instrument under calibration		Pipette	
4 Make /Model		SARTORIUS	
5 .Instrument ID .No		PHM/BME/LAB/PIPTT/03	
6 .Instrument SL .No		17582892	
7 Range		Volume 100-1000 ul	
8 Accuracy		1% FSD	
9 .Department:		lab(4th Floor)	
10. Environmental Conditions		28 +/-1 Deg C; R.H-65+/-2%	
11 Test parameter & condition		Standard Volume With Standard Weight Box	
12. Standard Instruments used for Calibration		Std Weights with balance	
13 Traceability Certificate Ref. No.		METSAR/0448/002,Date:02/06/2020,Due:01/06/2021.	
		Test Results	
SI No	PARAMETER OF STANDARD in uL	READING OF Pipette UNDER CALIBRATION in uL	Error Value in uL
1	100	99.6	0.4
2	500	500.2	0.2
3	1000	999.8	0.2
PLEASE NOTE: THE INSTRUMENTS ERROR FOUND TO BE WITHIN THE SPECIFIED ACCURACY LIMIT AND THIS CERTIFICATE VALID FOR PERIOD OF ONE YEAR FROM THE DATE OF ISSUE.			
CALIBRATED BY S . M. ENTERPRISES  ENGINEER INCHARGE		VERIFIED BY M/s.PACE HOSPITALS	



GSTIN : 36AFVPS4924F1ZW Service Tax No.: AFVPS4924FST001 PAN No.: AFVPS4924F  
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## CALIBRATION CERTIFICATE

CALIBRATION ON 22/09/2020		CALIBRATION DUE 21/09/2021	
1. Calibration Report Ref. No. & Date :		SME/NA/PH/PIPTT/2020;Dt:22/09/2020	
2. Requested by : (Name and address of the organization)		M/s.PACE HOSPITALS Beside Hotel Avasa,Hitech City,Hyderabad-500081,Telangana	
3 Instrument under calibration		Pipette	
4 Make /Model		N/A	
5 .Instrument ID .No		PHM/BME/LAB/PIPTT/07	
6 .Instrument SL .No		17581265	
7 Range		Volume 1/500ul	
8 Accuracy		1% FSD	
9 .Department:		Lab	
10. Environmental Conditions		28 +/-1 Deg C; R.H-65+/-2%	
11 Test parameter & condition		Standard Volume With Standard Weight Box	
12. Standard Instruments used for Calibration		Std Weights with balance	
13 Traceability Certificate Ref. No.		METSAR/0448/002,Date:02/06/2020,Due:01/06/2021.	
<b>Test Results</b>			
Sl No	PARAMETER OF STANDARD in uL	READING OF Pipette UNDER CALIBRATION in uL	Error Value in uL
1	500	500.2	0.2
PLEASE NOTE: THE INSTRUMENTS ERROR FOUND TO BE WITHIN THE SPECIFIED ACCURACY LIMIT AND THIS CERTIFICATE VALID FOR PERIOD OF ONE YEAR FROM THE DATE OF ISSUE.			
CALIBRATED BY S . M. ENTERPRISES  ENGINEER INCHARGE		VERIFIED BY M/s.PACE HOSPITALS	





ISO 9001 : 2015  
RQ91/3144

# S.M. ENTERPRISES 25

(Calibration and Testing of Electrical, Electronic & Precision Instruments.)

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## CALIBRATION CERTIFICATE

CALIBRATION ON 22/09/2020		CALIBRATION DUE 21/09/2021	
1. Calibration Report Ref. No. & Date :		SME/NA/PH/PIPTT/2020;Dt:22/09/2020	
2. Requested by : (Name and address of the organization)		M/s.PACE HOSPITALS Beside Hotel Avasa,Hitech City,Hyderabad-500081,Telangana	
3 Instrument under calibration		Pipette	
4 Make /Model		SARTORIUS	
5 .Instrument ID .No		PHM/BME/LAB/PIPTT/05	
6 .Instrument SL .No.		18050672	
7 Range		Volume 20-200 ul	
8 Accuracy		1% FSD	
9 .Department:		lab(4th Floor)	
10. Environmental Conditions		28 +/-1 Deg C; R.H-65+/-2%	
11 Test parameter & condition		Standard Volume With Standard Weight Box	
12. Standard Instruments used for Calibration		Std Weights with balance	
13 Traceability Certificate Ref. No.		METSAR/0448/002,Date:02/06/2020,Due:01/06/2021.	
		Test Results	
SI No	PARAMETER OF STANDARD in uL	READING OF Pipette UNDER CALIBRATION in uL	Error Value in uL
1	20	20.2	0.2
2	50	50.1	0.1
2	100	100.2	0.2
1	150	150.3	0.3
3	200	199.9	0.1
PLEASE NOTE: THE INSTRUMENTS ERROR FOUND TO BE WITHIN THE SPECIFIED ACCURACY LIMIT AND THIS CERTIFICATE VALID FOR PERIOD OF ONE YEAR FROM THE DATE OF ISSUE.			
CALIBRATED BY S . M. ENTERPRISES  ENGINEER INCHARGE		VERIFIED BY M/s.PACE HOSPITALS	



GSTIN : 36AFVPS4924F1ZW Service Tax No.: AFVPS4924FST001 PAN No.: AFVPS4924F  
NABL APPROVED LAB (CC-2471) / Approved Laboratory of ISO 9001-2015  
TEST EQUIPT. / STANDARDS USED ARE TRACEABLE TO NATIONAL STANDARDS



# S.M. ENTERPRISES 25

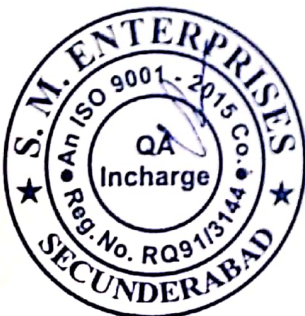
(Calibration and Testing of Electrical, Electronic & Precision Instruments.)

Years of Services

Office / Cal. Lab : Plot No. 12, Sanjeeviah Nagar, Co-operative Society, Besides Tadband Hanuman Temple, Sikh Village, Secunderabad - 500 009 T.S. INDIA ☎ : (040) 27340697, 48541008  
Cell : 9848020798, 9948291008, 9948292008, 9948293008, 9948294008 Email : msudheer\_98@yahoo.com, msudheer\_98@smentp.org, SME\_003@YAHOO.IN, url : www.smentp.org

## CALIBRATION CERTIFICATE

CALIBRATION ON 22/09/2020		CALIBRATION DUE 21/09/2021	
1. Calibration Report Ref. No. & Date :		SME/NA/PH/PIPTT/2020;Dt:22/09/2020	
2. Requested by : (Name and address of the organization)		M/s.PACE HOSPITALS Beside Hotel Avasa,Hitech City,Hyderabad-500081,Telangana	
3 Instrument under calibration		Pipette	
4 Make /Model		ERBA	
5 .Instrument ID .No		PHM/BME/LAB/PIPTT/01	
6 .Instrument SL .No		NB45079	
7 Range		Volume 5-50 ul	
8 Accuracy		1% FSD	
9 .Department:		lab(4th Floor)	
10. Environmental Conditions		28 +/-1 Deg C; R.H-65+/-2%	
11 Test parameter & condition		Standard Volume With Standard Weight Box	
12. Standard Instruments used for Calibration		Std Weights with balance	
13 Traceability Certificate Ref. No.		METSAR/0448/002,Date:02/06/2020,Due:01/06/2021.	
Test Results			
SI No	PARAMETER OF STANDARD in uL	READING OF Pipette UNDER CALIBRATION in uL	Error Value in uL
1	5	5.2	0.2
2	25	25.3	0.3
3	50	50.5	0.5
PLEASE NOTE: THE INSTRUMENTS ERROR FOUND TO BE WITHIN THE SPECIFIED ACCURACY LIMIT AND THIS CERTIFICATE VALID FOR PERIOD OF ONE YEAR FROM THE DATE OF ISSUE.			
CALIBRATED BY S . M. ENTERPRISES  ENGINEER INCHARGE		VERIFIED BY M/s.PACE HOSPITALS	



GSTIN : 36AFVPS4924F1ZW Service Tax No.: AFVPS4924FST001 PAN No.: AFVPS4924F  
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ISO 9001 : 2015  
RQ91/3144

# S.M. ENTERPRISES 25

(Calibration and Testing of Electrical, Electronic & Precision Instruments.)

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## CALIBRATION CERTIFICATE

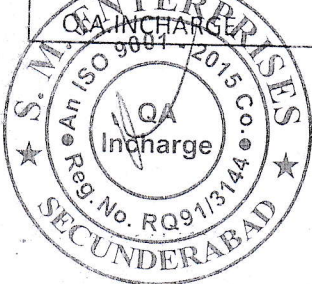
CALIBRATION ON 22/09/2020	CALIBRATION DUE 21/09/2021
1. Calibration Report Ref. No. & Date :	SME/NA/PH/CF/2020;Dt:22/09/2020
2. Requested by : (Name and address of the organization)	M/s.PACE HOSPITALS Beside Hotel Avasa,Hitech City,Hyderabad-500081,Telangana
3. Instrument under calibration	Centrifuge
4. Make/ Model;	Euro medicare system/ Electra BL
5 Instrument SI No	20171114011
6 Instrument ID No	PHM/BME/LAB/CENT/02
7. Range	0 to 5000 RPM & 0-30 Min
8. Accuracy	+/- 1% F.S.D.
9 .Location / Department	4th Floor/ LAB
10. Environmental Conditions	Temp/ RH : 28 +/- 8Deg C; R.H:- 60 +/- 5 %
10. Test parameter & condition	Speed V/s Speed & Time V/S Time & Temp V/s Temp
12. Standard Instruments used for Calibration	Digital Tacho Meter ,Time Interval Meter.,
13. Traceability Certificate Ref. No.	C-181128-5-1;Dt:29/11/2019;Due dt:29/11/2020 C-200728-6-1,Date:29/07/2020,Due dt:29/07/2021.

Test Results		Observed Reading Of RPM In Tachometer		Error Value Of RPM
SI No	Set Value Of RPM In Centrifuge			
1	1000.0	1000.1		0.1
2	2000.0	2000.5		0.5
3	4000.0	4000.4		0.4
4	5000.0	5000.4		0.4
SI No	Set Value Of Time in Min	Observed Reading Of Time in Min:Sec		Error Min:Sec
1	2	02:02		0.02
2	5	05:12		0.12
3	8	08:08		0.08
4	15	15:12		0.12
5	30	30:20		0.20

PLEASE NOTE: THE INSTRUMENTS ERROR FOUND TO BE WITHIN THE SPECIFIED ACCURACY LIMIT  
AND THIS CERTIFICATE VALID FOR PERIOD OF ONE YEAR FROM THE DATE OF ISSUE.

CALIBRATED BY  
S.M. ENTERPRISES

VERIFIED BY  
M/s.PACE HOSPITALS







ISO 9001 : 2015  
RQ91/3144

# S.M. ENTERPRISES

# 25

(Calibration and Testing of Electrical, Electronic & Precision Instruments.)

Years of Services

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Cell : 9848020798, 9948291008, 9948292008, 9948293008, 9948294008 Email : msudheer\_98@yahoo.com, msudheer\_98@smentp.org, SME\_003@YAHOO.IN, url : www.smentp.org

Date:22/09/2020

To,

**M/s. PACE HOSPITALS**

Beside Hotel Avasa, Hitech city, Hyderabad-500081, Telangana

## CALIBRATION CERTIFICATE

This is to Certify that M/s. MICROSCOPE

It Has manufactured according to ISO-9001-2008 and CE Standard

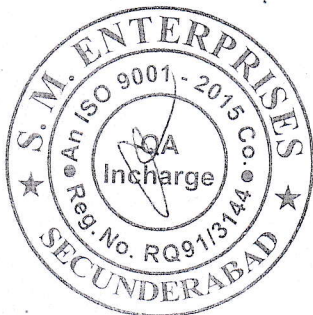
Make	OLYMPUS/MLXI PUS
Equipment Id No:	PHM/BME/LAB/ABCA/01
Equipment SL No:	18E0531
Location	4th floor
Department:	LAB

Next Calibration Due Date On 21/09/2021

Thank You

Yours Truly,  
S.M. Enterprises

QA Incharge



GSTIN : 36AFVPS4924F1ZW

Service Tax No.: AFVPS4924FST001

PAN No.: AFVPS4924F

NABL APPROVED LAB (CC-2471) / Approved Laboratory of ISO 9001-2015

TEST EQUIPT. / STANDARDS USED ARE TRACEABLE TO NATIONAL STANDARDS



ISO 9001 : 2015  
RQ91/3144

# S.M. ENTERPRISES 25

(Calibration and Testing of Electrical, Electronic & Precision Instruments.)

Years of Service

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Cell : 9848020798, 9948291008, 9948292008, 9948293008, 9948294008 Email : msudheer\_98@yahoo.com, msudheer\_98@smentp.org, SME\_003@YAHOO.IN, url : www.smentp.org

Date:22/09/2020

To,  
**M/s. PACE HOSPITALS**  
Beside Hotel Avasa, Hitech city, Hyderabad-500081, Telangana

## CALIBRATION CERTIFICATE

This is to Certify that M/s. Microscope  
It Has manufactured according to ISO-9001-2008 and CE Standard

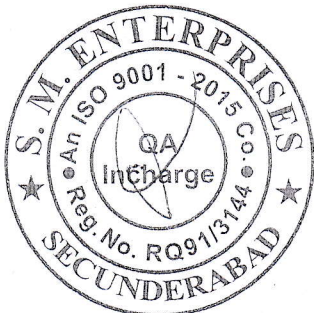
Make	OLYMPUS/CX211
Equipment Id No:	PHM/BME/LAB/MICSCP/02
Equipment SL No:	17H0106
Location	4th floor
Department:	LAB

Next Calibration Due Date On 21/09/2021.

Thank You

Yours Truly,  
S.M. Enterprises

QA Incharge





ISO 9001 : 2015  
RQ91/3144

# S.M. ENTERPRISES 25

(Calibration and Testing of Electrical, Electronic & Precision Instruments.)

Years of Service

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## CALIBRATION CERTIFICATE

CALIBRATION ON 22/09/2020	CALIBRATION DUE 21/09/2021
1. Calibration Report Ref. No. & Date :	SME/NA/PH/RTP/2020;Dt:22/09/2020
2. Requested by : (Name and address of the organization)	M/s.PACE HOSPITALS Beside Hotel Avasa,Hitech City,Hyderabad-500081,Telangana
3. Instrument Under Calibration:	Autoclave
4. Make:	N/A
5. Instrument I.D. No:	PHB/BME/LAB/AUTCLVE/01
6. Instrument SI no	201411
7. Location:	4TH FLOOR
8. Department	LAB
9. Range:	0-121.5°C
10. Accuracy:	+/- 2°C
11. Environmental Conditions:	25 +/- 2 Deg C; R.H: 45 +/- 5%
12. Test parameter & condition:	Temperature V/S Temperature
13. Standard Instruments used for Calibration:	Digital PID Controller Connected With Low & Dry Temp Bath.
14. Traceability Certificate Ref. No:	METSAR/4207/TH/010, Dt: 07/12/2019, Due:07/12/2020

## TEST RESULTS

SI No	Set Temperature Of Thermometer in °C	Observed Reading Of Under Calibration Instrument in °C	Error Value in °C
1	0	0.0	0.0
2	50.0	50.2	0.2
2	75.0	75.2	0.2
3	100.0	100.4	0.4
4	120.0	120.3	0.3
5	121.0	121.2	0.2

PLEASE NOTE: THE INSTRUMENT ERROR FOUND TO BE WITHIN THE SPECIFIED ACCURACY LIMIT AND THIS CERTIFICATE VALID FOR PERIOD OF ONE YEAR FROM THE DATE OF ISSUE.

CALIBRATED BY  
S.M.Enterprises

Q.A. INCHARGE

VERIFIED BY  
M/s. PACE HOSPITALS

