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

CALIBRATION CERTIFICATE

1.CUSTOMER :-

SHREE DIAGNOSTIC CENTRE
Shree Hospital, Murbad Road, KALYAN

		Page No.	:- 1 of 1
		SRF No	:- GTS/220804/01
		Certificate No.	:- GTS/220804/01- 001
		Date of Received	:- 04.08.2022
		Date of Calibration	:- 04.08.2022
		Next Calibration Due On	:- 03.02.2023
		Issue Date	:- 12.08.2022
		Calibration method No.	:- MECH-WI-06
		ULR No	:- --
Ambient Temp. (°C)	:- 23± 4		
Relative Humidity (%RH)	:- 30 to 75		
Barometric Pressure (mbar)	:- 943.9		
Location of calibration	:- In Lab		
Condition of Item	:- Ok		

2. Description of Item

Name	:- Micropipette	Range	:- 5 µl
Id No	:- SDC/PIP/01	Least Count	:- --
Make	:- Finnpipette	Location	:- Lab
Type	:- Fixed	Sr No	:- GH 57449
		Dept.	:- Pathology

3.Details of Equipment used for calibration

Name	Certificate No.	Certified By	ID/Sr. No.	Calibration Validity
Weighing Balance	NI/GTS/300522/001	Nishitronics Instrumentation	GTS/WB-01	29.05.2023

***Mechanical Calibration**

4.Calibration Results :-

Calibration Points µl	Standard Reading µl	Set Value on UUC µl	Error in µl	Expanded Uncertainty in ± µl
5	4.9823	5	0.0177	1.50

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

P.T.
Calibration Engineer
Poonam.T

GLOBAL TECHNICAL SERVICES GTS PUNE

Approved By

Technical Manager
Swapnil Bhagawat

End of Certificate

GLOBAL TECHNICAL SERVICES
Sec. No.25, Plot No.49/3, L.I.G. Colony, Pradhikaran, Nigdi, Pune - 411044
Email : globaltechnical007@gmail.com
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CC-2957

CALIBRATION CERTIFICATE

1.CUSTOMER	:-	Page No.	:- 1 of 1
		SRF No	:- GTS/220804/01
SHREE DIAGNOSTIC CENTRE		Certificate No.	:- GTS/220804/01- 002
Shree Hospital, Murbad Road, KALYAN		Date of Received	:- 04.08.2022
		Date of Calibration	:- 04.08.2022
		Next Calibration Due On	:- 03.02.2023
		Issue Date	:- 12.08.2022
Ambient Temp. (°C)	:- 23± 4	Calibration method No.	:- MECH-WI-06
Relative Humidity (%RH)	:- 30 to 75	ULR No	:- CC295722000008046F
Barometric Pressure (mbar)	:- 943.1		
Location of calibration	:- In Lab		
Condition of Item	:- Ok		

2. Description of Item

Name	:- Micropipette	Range	:-	10 µl
Id No	:- SDC/PIP/02	Least Count	:-	--
Make	:- Finnpipette	Location	:- Lab	
Type	:- Fixed	Sr No	:- F 94565	
		Dept.	:- Pathology	

3.Details of Equipment used for calibration

Name	Certificate No.	Certified By	ID/Sr. No.	Calibration Validity
Weighing Balance	NI/GTS/300522/001	Nishitronics Instrumentation	GTS/WB-01	29.05.2023

***Mechanical Calibration**

4.Calibration Results :-

Calibration Points µl	Standard Reading µl	Set Value on UUC µl	Error in µl	Expanded Uncertainty in ± µl
10	9.9628	10	0.0372	4.30

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

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CALIBRATION CERTIFICATE

1.CUSTOMER :-

SHREE DIAGNOSTIC CENTRE
Shree Hospital, Murbad Road, KALYAN

		Page No.	:- 1 of 1
		SRF No	:- GTS/220804/01
		Certificate No.	:- GTS/220804/01- 003
		Date of Received	:- 04.08.2022
		Date of Calibration	:- 04.08.2022
		Next Calibration Due On	:- 03.02.2023
		Issue Date	:- 12.08.2022
		Calibration method No.	:- MECH-WI-06
		ULR No	:- CC295722000008047F
Ambient Temp. (°C)	:- 23± 4		
Relative Humidity (%RH)	:- 30 to 75		
Barometric Pressure (mbar)	:- 942.0		
Location of calibration	:- In Lab		
Condition of Item	:- Ok		

2. Description of Item

Name	:- Micropipette	Range	:- 5 to 50 µl
Id No	:- SDC/PIP/03	Least Count	:- 1
Make	:- Biosystem	Location	:- Lab
Type	:- Variable	Sr No	:- VF0168/6
		Dept.	:- Pathology

3.Details of Equipment used for calibration

Name	Certificate No.	Certified By	ID/Sr. No.	Calibration Validity
Weighing Balance	NI/GTS/300522/001	Nishitronics Instrumentation	GTS/WB-01	29.05.2023

***Mechanical Calibration**

4.Calibration Results :-

Calibration Points µl	Standard Reading µl	Set Value on UUC µl	Error in µl	Expanded Uncertainty in ± µl
10	9.9637	10	0.0363	4.30
25	24.9119	25	0.0881	4.30
50	49.8126	50	0.1874	4.30

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
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GLOBAL TECHNICAL SERVICES ★ GTS ★ PUNE

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End of Certificate

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1.CUSTOMER :-

SHREE DIAGNOSTIC CENTRE
Shree Hospital, Murbad Road, KALYAN

Page No.	:- 1 of 1
SRF No	:- GTS/220804/01
Certificate No.	:- GTS/220804/01- 004
Date of Received	:- 04.08.2022
Date of Calibration	:- 04.08.2022
Next Calibration Due On	:- 03.02.2023
Issue Date	:- 12.08.2022
Calibration method No.	:- MECH-WI-06
ULR No	:- CC295722000008048F

Ambient Temp. (°C)	:- 23± 4
Relative Humidity (%RH)	:- 30 to 75
Barometric Pressure (mbar)	:- 944.1
Location of calibration	:- In Lab
Condition of Item	:- Ok

2. Description of Item

Name	:- Micropipette	Range	:- 20 to 200 µl
Id No	:- SDC/PIP/04	Least Count	:- 0.2 µl
Make	:- Finnpipette	Location	:- Lab
Type	:- Variable	Sr No	:- PW 00087
		Dept.	:- Pathology

3.Details of Equipment used for calibration

Name	Certificate No.	Certified By	ID/Sr. No.	Calibration Validity
Weighing Balance	NI/GTS/300522/001	Nishitronics Instrumentation	GTS/WB-01	29.05.2023

***Mechanical Calibration**

4.Calibration Results :-

Calibration Points µl	Standard Reading µl	Set Value on UUC µl	Error in µl	Expanded Uncertainty in ± µl
20	19.9251	20	0.0749	4.30
100	99.6082	100	0.3918	4.30
200	199.2404	200	0.7596	4.30

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.
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Calibrated By
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Calibration Engineer
Poonam.T

GLOBAL TECHNICAL SERVICES GTS PUNE

Approved By
Technical Manager
Swapnil Bhagawat

RF-51/00

End of Certificate

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CC-2957

CALIBRATION CERTIFICATE

1.CUSTOMER	:-	Page No.	:- 1 of 1
		SRF No	:- GTS/220804/01
SHREE DIAGNOSTIC CENTRE		Certificate No.	:- GTS/220804/01- 005
Shree Hospital, Murbad Road, KALYAN		Date of Received	:- 04.08.2022
		Date of Calibration	:- 04.08.2022
		Next Calibration Due On	:- 03.02.2023
		Issue Date	:- 12.08.2022
Ambient Temp. (°C)	:- 23± 4	Calibration method No.	:- MECH-WI-06
Relative Humidity (%RH)	:- 30 to 75	ULR No	:- CC295722000008049F
Barometric Pressure (mbar)	:- 943.9		
Location of calibration	:- In Lab		
Condition of Item	:- Ok		

2. Description of Item

Name	:- Micropipette	Range	:- 100 to 1000 µl
Id No	:- SDC/PIP/05	Least Count	:- 1 µl
Make	:- Finnpipette	Location	:- Lab
Type	:- Variable	Sr No	:- JW 05397
		Dept.	:- Pathology

3.Details of Equipment used for calibration

Name	Certificate No.	Certified By	ID/Sr. No.	Calibration Validity
Weighing Balance	NI/GTS/300522/001	Nishitronics Instrumentation	GTS/WB-01	29.05.2023

***Mechanical Calibration**

4.Calibration Results :-

Calibration Points µl	Standard Reading µl	Set Value on UUC µl	Error in µl	Expanded Uncertainty in ± µ
100	99.6074	100	0.3926	4.30
500	498.0703	500	1.9297	4.30
1000	996.4434	1000	3.5566	4.30

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.

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Calibrated By

P.T.

Calibration Engineer
Poonam.T

GLOBAL TECHNICAL SERVICES GTS PUNE

Approved By

Technical Manager
Swapnil Bhagawat

End of Certificate

CALIBRATION CERTIFICATE

CUSTOMER	:-	Global Technical Services Sec. No-25, Plot No-49/3 LIG Colony Pradhikaran Nigdi Pune-411044	Page No.	:-	1 of 2
			Discipline	:-	Mechanical
			ULR No.	:-	ULR-CC229422000002403I
Amb. Temp	:-	23 ± 5 ° C	Certificate No	:-	NI/GTS/300522/001
Rh.	:-	50 ± 10 %	Date of issue	:-	01/06/2022
Location of calibration	:-	SITE	Date of receipt	:-	30/05/2022
Characteristic and Condition of items	:-	OK	Date of calibration	:-	30/05/2022
			Cal. Req. No.	:-	NI/GTS/300522/001
			Next Due Date	:-	29/05/2023
			Parameter	:-	MASS
			Calibration method no	:-	NI / CP / M / 02

Details of Items

Name	:-	Dig. Weighing Balance	Range	:-	0 to 200 g
ID. NO.	:-	GTS/WB-01	Least Count	:-	0.01 mg & 0.1 mg
Make	:-	Mettler	Loc	:-	--
Sr. No.	:-	B850919896	Accuracy	:-	Class A
Model	:-	MS205DU			

Details of Equipment used for Calibration

Description	:-	Set of Weight From 1 mg To 200 g
Sr. No. / ID. No.	:-	NI/WE1/01
Calibrated By	:-	LCGC Trucal and Services LLP
Certificate No.	:-	TC/8266/2022
Validity	:-	21/01/2025

OBSERVATION

Cal. Point	Mass of Ref. Weight g	UUC Reading g	Correction In g	Expanded Uncertainty In ± g
1 mg	0.0009994	0.00101	0.000011	0.000022
10 mg	0.0100013	0.01000	-0.000001	0.000022
100 mg	0.1000030	0.10001	0.000007	0.000022
200 mg	0.1999992	0.20001	0.000011	0.000022
500 mg	0.5000050	0.50001	0.000005	0.000022
1 g	0.9999996	1.00002	0.000020	0.000022
2 g	1.9999985	2.00001	0.000012	0.000022
5 g	4.999995	4.99997	-0.000025	0.000022
10 g.	9.999995	9.99998	-0.000015	0.000022
50 g	50.00001	50.00005	0.000040	0.000022
100 g	100.00000	99.9996	-0.000400	0.0001
200 g	200.00001	199.9989	-0.001110	0.0001

UUC :- Unit Under Calibration

Repeatability Check (For Max) : 230 g

Cal. Point	Mass of Ref. Weight g	Observation Sr. No.	UUC Reading g	Standard Deviation in g
200 g	200.00001	1	199.9989	0.000032
		2	199.9989	
		3	199.9989	
		4	199.9989	
		5	199.9989	
		6	199.9990	
		7	199.9989	
		8	199.9989	
		9	199.9989	
		10	199.9989	

ULR No. :- ULR-CC229422000002403F
Certificate No :- NI/GTS/300522/001

Repeatability Check (For 1/2 Max) : 115 g

Cal. Point	Mass of Ref. Weight g	Observation Sr. No.	UUC Reading g	Standard Deviation In g
100 g	100.00000	1	99.9996	0.000042
		2	99.9996	
		3	99.9996	
		4	99.9995	
		5	99.9996	
		6	99.9996	
		7	99.9996	
		8	99.9996	
		9	99.9995	
		10	99.9996	

Ecentric or Off-Centre Loading (1/2 Max or 1/3 Max) :

Cal. Point	Mass of Ref. Weight g	Position of Load	UUC Reading g	Ecentric Loading g
100 g	100.00000	Front Right	99.9996	0.000100
		Front Back	99.9996	
		Center	99.9996	
		Back Right	99.9996	
		Back Left	99.9995	

Limit Of Performance(F):- 0.000144 g

The reported measurement uncertainty is estimated at a level of confidence of approximately 95 % with a coverage factor k = 2.

Remarks :-

1) Result are related only to the item calibrated .
2) This certificate refers only to the particular items submitted for calibration .
3) This certificate shall not be reproduced except in full without our prior permission in writing.
4) The calibration results reported in this particular certificate are valid at the time of an under stated condition of measurement.
5) Standard used for calibration were traceable to National / International standard.
6) Readings given above are as on received condition of an instrument.
7) The above results are used for scientific and R&D purpose only and should not used for trade and commercial use.
8) Standard referred :- OIML R-76
9) Density of Standard Weights:- 7950 ± 50 kg/m^3
10) Ecentricity is difference between reading when the test is weight moved to verious positions on pan

Calibrated by

(V.D.Mulik)
(Technical Assistant)

Authorized Signatory

(V.B.Hingmire) / (S.B.Hingmire)
(Technical Manager)