



HYTECH INSTRUMENT

2SF, C-2 Shriram Complex, Nyay Khand-I, Indirapuram, Ghaziabad-201014 (U.P) INDIA
Ph. No. +91-9899380410, +91-9716668085, +91-7669021291-95



Calibration Certificate

Format No. : HY/FM/33

Page No. : 01 of 01

Certificate No.	HY/21/1394-01	CALIBRATION CERTIFICATE OF Centrifuge Machine
Date of Calibration :	07/01/2023	
Next Date for Calibration (As per agreed with the Customer)	07/01/2024	
Certificate Issue Date	08/01/2023	

CUSTOMER ADDRESS		DESCRIPTION OF DEVICE UNDER CALIBRATION	
SHREE DIAGNOSTIC PLOT NO.- H 06, H- BLOCK, INDRA NAGAR, JHUNJHUNU (RAJ.)		Make / Model	Electra BL
SERVICE REQUEST FORM DETAILS		Instrument Sr. No.	NA
		Resolution / Least Count	As Per Range
Service Request / Job No.	1394 / 1394-01	Range / Size	As Per Instrument
Service Request Dated	21/12/2022	Asset Code / I.D No.	LAB/CFM-01
		Location	LAB
		Instrument Condition	In Working

Calibration Procedure	HY/WI/2M14	Calibration Performed At	At Site
Reference Standard	NABL-126	Discipline	Medical
ENVIRONMENTAL CONDITIONS	Temperature	(25 ± 15) °C	Relative Humidity
			(60 ± 15) %RH

DETAILS OF REFERENCE STANDARDS AND MAJOR EQUIPMENTS USED FOR CALIBRATION

Sr. No	Instrument Details	Certificate No.	Calibrated By	Calibration Due Date
1	Digital Tachometer	CC20552000000753F	TNC	18.01.2022
2	Electrical Safety Analyzer	CC20552000000755F	TNC	18.01.2022

The Standards used for calibration are traceable to National Standards.

CALIBRATION RESULT

PARAMETER	DUC VALUE (rpm)	STANDARD VALUE (rpm)	ERROR (rpm)	Uncertainty ± (%)
Speed	800	802.9	-2.90	0.70
	1000	1004	-4.00	0.70
	1500	1505	-5.00	0.70
	3000	3006	-6.00	0.70
	5000	5012	-12.00	0.70

1. Electrical Safety (Visual Test)			2. Electrical Safety Test			
S.No	TESTS	REMARKS	S.No	PARAMETERS	MEASURE	REMARKS
1	Power Chords, Cable Check	OK	1	Voltage Between Line & Neutral (V in)	236.5V	OK
2	Main Socket Check	OK	2	Voltage Between Line & Earth (V ie)	243.3V	OK
3	Equipment Type (B/BF/CF)	B	3	Voltage Between Neutral & Earth (V en)	2.2V	OK
4	Equipment Class (I/II/III)	I	4	Patient Leakage Current (P L)	0.7µA	OK

B-BODY TYPE, BF-BODY FLOAT TYPE, CF-CARDIAC FLOAT TYPE, I-PROPERLY EARTHED, II-DOUBLE INSULATED, III-WITH EXTRA SAFETY LOW VOLTAGE.

Expanded Uncertainty of measurment at approximately 95% Confidence Level with coverage factor $k = 2$

Note :- 1. DUC = Device Under Calibration 2. The Certificate refers only to the particular items submitted for Calibration 3. This Certificate shall not be reproduced, except in full, without permission of Hytech Instrument, Ghaziabad. 4. Result Reported are Valid at the time of and under the stated conditions of measurement. 5. Calibration Certificate issue for weight & Measure parameter like Mass, Length, Volumetric equipment, Measuring Scale/Tapes etc. for scientific purpose only and should not be used for trade / Commerical use.	 CALIBRATED BY (Calib. Engineer)
	APPROVED BY (QM / TM)





Calibration Certificate

Page No. : 01 of 01

Format No. : HY/FM/33

Certificate No. HY/21/1394-07	CALIBRATION CERTIFICATE OF
Date of Calibration : 07/01/2023	
Next Date for Calibration 07/01/2024	
(As per agreed with the Customer)	
Certificate Issue Date 08/01/2023	Refrigerator With Temperature Meter

CUSTOMER ADDRESS	DESCRIPTION OF DEVICE UNDER CALIBRATION	
SHREE DIAGNOSTIC PLOT NO.- H 06, H- BLOCK, INDRA NAGAR, JHUNJHUNU (RAJ.)	Make / Model	NA
	Instrument Sr. No.	ST-9283B
SERVICE REQUEST FORM DETAILS	Resolution / Least Count	0.1 °C
	Range / Size	upto 10°C
	Asset Code / I.D No.	LAB/FZ-01
	Location	LAB
Service Request / Job No.	1394 / 1394-07	Instrument Condition
Service Request Dated	21/12/2022	In Working

Calibration Procedure	HY/WI/2T02	Calibration Performed At	At Site
Reference Standard	NABL-126	Discipline	Medical
ENVIRONMENTAL CONDITIONS	Temperature	(25 ± 15) °C	Relative Humidity (60 ± 15) %RH

DETAILS OF REFERENCE STANDARDS AND MAJOR EQUIPMENTS USED FOR CALIBRATION

Sr. No	Instrument Details	Certificate No.	Calibrated By	Calibration Due Date
1	RTD Sensor with Indicator	GC/AV/P1398A/08/21	GC	12.08.2022
2	Electrical Safety Analyzer	CC20552000000755F	TNC	18.01.2022

The Standards used for calibration are traceable to National Standards.

CALIBRATION RESULT

PARAMETER	SET VALUE (°C)	DUC VALUE (°C)	STANDARD VALUE (°C)	ERROR (°C)	Uncertainty (°C)± (%)
Temperature	0.0	0.0	0.000	0.000	---
	2.0	2.0	2.009	-0.009	0.25
	4.0	4.0	4.009	-0.009	0.25
	6.0	6.0	6.015	-0.015	0.25
	10.0	10.0	10.022	-0.022	0.25

1. Electrical Safety (Visual Test)			2. Electrical Safety Test			
S.No	TESTS	REMARKS	S.No	PARAMETERS	MEASURE	REMARKS
1	Power Chords, Cable Check	OK	1	Voltage Between Line & Neutral (V in)	236.5V	OK
2	Main Socket Check	OK	2	Voltage Between Line & Earth (V ie)	243.3V	OK
3	Equipment Type (B/BF/CF)	B	3	Voltage Between Neutral & Earth (V en)	2.2V	OK
4	Equipment Class (I/II/III)	I	4	Patient Leakage Current (P L)	0.7µA	OK

B-BODY TYPE, BF-BODY FLOAT TYPE, CF-CARDIAC FLOAT TYPE, I-PROPERLY EARTHED, II-DOUBLE INSULATED, III-WITH EXTRA SAFETY LOW VOLTAGE.

Expanded Uncertainty of measurment at approximately 95% Confidence Level with coverage factor k=2

Note :- 1. DUC = Device Under Calibration

2. The Certificate refers only to the particular items submitted for Calibration.

3. This Certificate shall not be reproduced, except in full, without the permission of CEO Hytech Instrument, Ghaziabad.

4. Result Reported are Valid at the time of and under the stated conditions of measurement.

5. Calibration Certificate issue for weight & Measure parameters is not valid for Volumetric equipment,

Measuring Scale/Tapes etc. for scientific purpose only and should not be used for Trade / Commerical use.

CALIBRATED BY
(Calib. Engineer)

APPROVED BY
(QM/VTM)





Calibration Certificate

Page No. : 01 of 01

Format No. : HY/FM/33

Certificate No.	HY/21/1394-04	CALIBRATION CERTIFICATE OF
Date of Calibration :	07/01/2023	
Next Date for Calibration (As per agreed with the Customer)	07/01/2024	
Certificate Issue Date	08/01/2023	Micropipette

CUSTOMER ADDRESS	DESCRIPTION OF DEVICE UNDER CALIBRATION	
SHREE DIAGNOSTIC PLOT NO.- H 06, H- BLOCK, INDRA NAGAR, JHUNJHUNU (RAJ.)	Make / Model	DRAGON
	Instrument Sr. No.	YEAACAD002392
SERVICE REQUEST FORM DETAILS	Resolution / Least Count	10 µl
	Range / Size	100 to 1000 µl
Service Request / Job No.	1394 / 1394-04	Asset Code / I.D No.
Service Request Dated	21/12/2022	Location
		Instrument Condition

Calibration Procedure	HY/WI/2MD13	Calibration Performed At	At Site
Reference Standard	NABL-126	Discipline	Medical
ENVIRONMENTAL CONDITIONS	Temperature	(25 ± 15) °C	Relative Humidity
			(60 ± 15) %RH

DETAILS OF REFERENCE STANDARDS AND MAJOR EQUIPMENTS USED FOR CALIBRATION

Sr. No	Instrument Details	Certificate No.	Calibrated By	Calibration Due Date
1	Digital Weighing Machine	CC20552000004620F	TNC	17.03.2022

The Standards used for calibration are traceable to National Standards.

CALIBRATION RESULT

PARAMETER	DUC VALUE (µl)	STANDARD VALUE (µl)	ERROR (µl)	Uncertainty ± (µl)
Volume	200	200.010	-0.010	4.0
	500	500.018	-0.018	4.0
	1000	1000.011	-0.011	4.0

Expanded Uncertainty of measurement at approximately 95% Confidence Level with coverage factor $k=2$

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 5. Calibration Certificate issue for weight & Measure parameter & Volumetric equipment, Measuring Scale/Tapes etc. for scientific purpose only and should not be used for Trade / Commercial use.

CALIBRATED BY
 (Calib. Engineer)

APPROVED BY





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Calibration Certificate

Page No.: 01 of 01

Format No.: HY/FM/33

Certificate No.	HY/21/1394-09	CALIBRATION CERTIFICATE OF INCUBATOR
Date of Calibration :	07/01/2023	
Next Date for Calibration (As per agreed with the Customer)	07/01/2024	
Certificate Issue Date	08/01/2023	

CUSTOMER ADDRESS		DESCRIPTION OF DEVICE UNDER CALIBRATION	
SHREE DIAGNOSTIC PLOT NO.- H 06, H- BLOCK, INDRA NAGAR, JHUNJHUNU (RAJ.)		Make / Model	NA
SERVICE REQUEST FORM DETAILS		Instrument Sr. No.	NA
Service Request / Job No.	1394 / 1394-09	Resolution / Least Count	5 °C
Service Request Dated	21/12/2022	Range / Size	upto 110°C
		Asset Code / I.D No.	LAB/INC-01
		Location	LAB
		Instrument Condition	In Working

Calibration Procedure	HY/WI/2T02	Calibration Performed At	At Site	
Reference Standard	NABL-126	Discipline	Medical	
ENVIRONMENTAL CONDITIONS	Temperature	(25 ± 15) °C	Relative Humidity	(60 ± 15) %RH

DETAILS OF REFERENCE STANDARDS AND MAJOR EQUIPMENTS USED FOR CALIBRATION

Sr. No	Instrument Details	Certificate No.	Calibrated By	Calibration Due Date
1	RTD Sensor with Indicator	GC/AV/P1398A/08/21	GC	12.08.2022
2	Electrical Safety Analyzer	CC205520000000755F	TNC	18.01.2022

The Standards used for calibration are traceable to National Standards.

CALIBRATION RESULT

PARAMETER	SET VALUE (°C)	DUC VALUE (°C)	STANDARD VALUE (°C)	ERROR (°C)	Uncertainty (°C)± (%)
Temperature	0.0	0.0	0.000	0.000	----
	30.0	30.0	30.012	-0.012	0.25
	50.0	50.0	50.009	-0.009	0.25
	70.0	70.0	70.015	-0.015	0.25
	110.0	110.0	110.022	-0.022	0.25

1. Electrical Safety (Visual Test)			2. Electrical Safety Test			
S.No	TESTS	REMARKS	S.No	PARAMETERS	MEASURE	REMARKS
1	Power Chords, Cable Check	OK	1	Voltage Between Line & Neutral (V _{in})	236.5V	OK
2	Main Socket Check	OK	2	Voltage Between Line & Earth (V _{ic})	243.3V	OK
3	Equipment Type (B/BF/CF)	B	3	Voltage Between Neutral & Earth (V _{en})	2.2V	OK
4	Equipment Class (I/II/III)	I	4	Patient Leakage Current (P L)	0.7µA	OK

B-BODY TYPE, BF-BODY FLOAT TYPE, CF-CARDIAC FLOAT TYPE, I-PROPERLY EARTHED, II-DOUBLE INSULATED, III-WITH EXTRA SAFETY LOW VOLTAGE.

Expanded Uncertainty of measurement at approximately 95% Confidence Level with coverage factor $k=2$

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CALIBRATED BY
(Calib. Engineer)

APPROVED BY
(Q.M./T.M.)





Calibration Certificate

Format No. : HY/FM/33

Page No. : 01 of 01

Certificate No. HY/21/1394-03 Date of Calibration : 07/01/2023 Next Date for Calibration 07/01/2024 (As per agreed with the Customer) Certificate Issue Date 08/01/2023	CALIBRATION CERTIFICATE OF TIMMER
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CUSTOMER ADDRESS	DESCRIPTION OF DEVICE UNDER CALIBRATION	
SHREE DIAGNOSTIC PLOT NO.- H 06, H- BLOCK, INDRA NAGAR, JHUNJHUNU (RAJ.)	Make / Model	NA
	Instrument Sr. No.	NA
SERVICE REQUEST FORM DETAILS	Resolution / Least Count	1/100sec
	Range / Size	upto 24 hr.
Service Request / Job No.	1394 / 1394-03	Asset Code / I.D No.
Service Request Dated	21/12/2022	LAB/DTM-01
	Location	LAB
	Instrument Condition	In Working

Calibration Procedure	HY/WI/2ET25	Calibration Performed At	At Site
Reference Standard	NABL-129	Instrument Condition	In Working
ENVIRONMENTAL CONDITIONS	Temperature	(25 ± 2) °C	Relative Humidity (60 ± 15) %RH

DETAILS OF REFERENCE STANDARDS AND MAJOR EQUIPMENTS USED FOR CALIBRATION

Sr. No	Instrument Details	Certificate No.	Calibrated By	Calibration Due Date
1	Stop Watch	CCTPL/DSW/0261/01	CALYSS	21.02.2022

The Standards used for calibration are traceable to National Standards.

CALIBRATION RESULT

Time								
DUC Value				Standard Value				Uncertainty
Hour	Min	Sec	1/100Sec	Hour	Min	Sec	1/100Sec	(± %)
1	17	48	96	1	23	45	92	0.95
10	8	55	87	10	9	54	82	0.95
15	21	39	84	15	35	46	80	0.95
23	58	59	74	23	58	59	71	0.95

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CALIBRATED BY
(Calib. Engineer)

APPROVED BY





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Calibration Certificate

Page No.: 01 of 01

Format No.: HY/FM/33

Certificate No.	HY/21/1394-06	CALIBRATION CERTIFICATE OF Micropipette
Date of Calibration :	07/01/2023	
Next Date for Calibration (As per agreed with the Customer)	07/01/2024	
Certificate Issue Date	08/01/2023	

CUSTOMER ADDRESS		DESCRIPTION OF DEVICE UNDER CALIBRATION	
SHREE DIAGNOSTIC PLOT NO.- H 06, H- BLOCK, INDRA NAGAR, JHUNJHUNU (RAJ.)		Make / Model	ERBA
		Instrument Sr. No.	QD587615
SERVICE REQUEST FORM DETAILS		Resolution / Least Count	1 µl
Service Request / Job No.	1394 / 1394-06	Range / Size	5-50 µl
Service Request Dated	21/12/2022	Asset Code / I.D No.	LAB/MP-03
		Location	LAB
		Instrument Condition	In Working

Calibration Procedure	HY/WI/2MD13	Calibration Performed At	At Site
Reference Standard	NABL-126	Discipline	Medical
ENVIRONMENTAL CONDITIONS		Temperature	(25 ± 15) °C
		Relative Humidity	(60 ± 15) %RH

DETAILS OF REFERENCE STANDARDS AND MAJOR EQUIPMENTS USED FOR CALIBRATION

Sr. No	Instrument Details	Certificate No.	Calibrated By	Calibration Due Date
1	Digital Weighing Machine	CC205520000004620F	TNC	17.03.2022

The Standards used for calibration are traceable to National Standards.

CALIBRATION RESULT

PARAMETER	DUC VALUE (µl)	STANDARD VALUE (µl)	ERROR (µl)	Uncertainty ± (µl)
Volume	20	20.014	-0.014	4.0
	50	50.018	-0.018	4.0
	100	100.022	-0.022	4.0

Expanded Uncertainty of measurement at approximately 95% Confidence Level with coverage factor $k=2$

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CALIBRATED BY
(Calib. Engineer)

APPROVED BY
(QM / TM)

