



Excellent Services

A HOUSE OF CALIBRATION

B-34&35, B-54, G-7, Ganpati Paradise, Central Spine, Vidhyadhar Nagar, Jaipur-302039

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CC-2597

CALIBRATION CERTIFICATE

Name and Address of Customer	Page Number	1 of 1
The People Lab (A Unit of Shree Shalasar Balaji Charitable Trust) 3 F-28, Hiran Magri, Sector- 5, Tehsil: Girwa, Distt.- Udaipur (Raj.)	ULR Number	CC259723000005093F
	Certificate Number	2304/0584/05
	Job Request Number & Date	2023/0584/05 & 22/04/2023
	Date of Receipt	24/04/2023
	Calibration Date	24/04/2023
	Recommended due on (as per customer request)	23/04/2024
	Certificate Issue Date	26/04/2023

Description & Identification of UUC

Name	RPM Measurement of Blood Mixer			Condition on Receipt	OK
Make/Model	----/ SR-20A	Sr.No.	----	Calibration Performed At	Site
Range	70 rpm	ID.No.	TPL/UDR/BM-01	Calibration Parameter	RPM
L.C.	----	Location	----		

Environment Condition		Calibration Procedure Number
Temperature / Humidity	25 ± 4°C / <70%RH	ES/SOP/M/24 based on IS: 12508:2018 and NABL -129-1(A)

Details of Standard / Master Equipment Used					
Nomenclature	Sr. No.	Range	Certificate No.	Validity	Calibrated By
Digital Tachometer with Source	S231371	0-99999rpm	2206/0562/01	31/05/2023	NABL Cert. No. CC-2597

MECHANICAL CALIBRATION - DIMENSION

CALIBRATION RESULTS

Sr. No.	Specified Value on UUC (rpm)	Avg. Value on Standard (rpm)	Expanded Uncertainty (±)
1.	70	70.5	1.2 rpm
2.		70.6	
3.		70.3	
4.		70.2	
5.		70.4	
Average		70.4	

Remarks:-

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Engineer-Calibration

Krishna Kr. Singh

(Format No.: QR/M/21, Rev. 00)



Authorized Signature

Abhishek Singh
(Dy. Technical Manager)



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	ULR Number	CC259723000005092F
	Certificate Number	2304/0584/04
	Job Request Number & Date	2023/0584/04 & 22/04/2023
	Date of Receipt	24/04/2023
	Calibration Date	24/04/2023
	Recommended due on (as per customer request)	23/04/2024
	Certificate Issue Date	26/04/2023

Description & Identification of UUC

Name	RPM Measurement of Centrifuge			Condition on Receipt	OK
Make/Model	Electra BL (12T) / Eura	Sr.No.	----	Calibration Performed At	Site
Range	0-4000 rpm	ID.No.	TPL/UDR/C-01	Calibration Parameter	RPM
L.C.	10 rpm	Location	----		

Environment Condition		Calibration Procedure Number	
Temperature / Humidity	25 ± 4°C / <70%RH	ES/SOP/M/24 based on IS: 12508:2018 and NABL -129-1(A)	

Details of Standard / Master Equipment Used					
Nomenclature	Sr. No.	Range	Certificate No.	Validity	Calibrated By
Digital Tachometer	S231371	0-99999rpm	2206/0562/01	31/05/2023	NABL Cert. No. CC-2597

MECHANICAL CALIBRATION - DIMENSION

CALIBRATION RESULTS

Sr. No.	Average Value on UUC (rpm)	Average Value on Standard (rpm)	Error (rpm)	Expanded Uncertainty (±)
1.	500	500.3	-0.3	13 rpm
2.	1000	1002	-2	16 rpm
3.	2000	2003	-3	16 rpm
4.	3000	3003	-3	32 rpm
5.	4000	4005	-5	32 rpm

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Krishna Kt. Singh

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Abhishek Singh
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The People Lab (A Unit of Shree Shalasar Balaji Charitable Trust) 3 F-28, Hiran Magri, Sector- 5, Tehsil: Girwa, Distt.- Udaipur (Raj.)	ULR Number	CC259723000005096F
	Certificate Number	2304/0584/08
	Job Request Number & Date	2023/0584/08 & 22/04/2023
	Date of Receipt	24/04/2023
	Calibration Date	24/04/2023
	Recommended due on (as per customer request)	23/04/2024
	Certificate Issue Date	26/04/2023

Description & Identification of UUC

Name	Micropipette	Condition on Receipt	OK		
Make/Model	Dragon Lab	Calibration Parameter	Volume		
Range	5 to 50 µl				
Sr. No.	-----	Least Count	0.5 µl		
Id No.	TPL/UDR/MP-01	Calibration Performed At	Lab		
		Location	-----		
Environment Condition		Calibration Procedure Number			
Temperature / Humidity	23 ± 2°C / 35 to 85%RH	ES/SOP/M/16A based on ISO:8655-6:2002 (E) & NABL-129-1(D)			
Details of Standard / Master Equipment Used					
Nomenclature	Sr. No.	Class	Certificate No.	Validity	Calibrated By
A Set of Weights with Digital Balance	6663	E1	BBT/188/OCT/21	11/10/2024	NABL Cert. No. CC-3082

MECHANICAL CALIBRATION - VOLUME

CALIBRATION RESULTS

Nominal Value on UUC in µl	Average Value on Standard µl	Error in µl	Expanded Uncertainty (±) µl
10.0	10.26	-0.26	0.03
30.0	30.96	-0.96	0.03
50.0	51.08	-1.08	0.03

Remarks:-

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3. Results relate only to the items calibrated.
4. Readings are taken without adjustment and readings are average of 10 sets of readings.
5. All standard equipments used for calibration are traceable to National Standards.
6. UUC: Unit Under Calibration.

Engineer-Calibration

Prashant Kr. Singh

(Format No. QR/M/28, Rev. 00)



Authorized Signature

Abhishek Singh
(Dy. Technical Manager)



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	ULR Number	CC259723000005097F
	Certificate Number	2304/0584/09
	Job Request Number & Date	2023/0584/09 & 22/04/2023
	Date of Receipt	24/04/2023
	Calibration Date	24/04/2023
	Recommended due on (as per customer request)	23/04/2024
	Certificate Issue Date	26/04/2023

Description & Identification of UUC

Name	Micropipette			Condition on Receipt	OK
Make/Model	Erba	Range	10 to 100 µl	Calibration Parameter	Volume
Sr. No.	-----	Least Count	1 µl	Location	-----
Id. No.	TPL/UDR/MP-02	Calibration Performed At	Lab		

Environment Condition		Calibration Procedure Number	
Temperature / Humidity	23 ± 2°C / 35 to 85%RH	ES/SOP/M/16A based on ISO:8655-6:2002 (E) & NABL-129-1(D)	

Details of Standard / Master Equipment Used					
Nomenclature	Sr. No.	Class	Certificate No.	Validity	Calibrated By
A Set of Weights with Digital Balance	6663	E1	BBT/188/OCT/21	11/10/2024	NABL Cert. No. CC-3082

MECHANICAL CALIBRATION - VOLUME

CALIBRATION RESULTS

Nominal Value on UUC in µl	Average Value on Standard µl	Error in µl	Expanded Uncertainty (±) µl
10	9.81	0.19	0.42
50	49.31	0.69	0.42
100	99.23	0.77	0.42

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The People Lab (A Unit of Shree Shalasar Balaji Charitable Trust) 3 F-28, Hiran Magri, Sector- 5, Tehsil: Girwa, Distt. - Udaipur (Raj.)	ULR Number	CC259723000005098F
	Certificate Number	2304/0584/10
	Job Request Number & Date	2023/0584/10 & 22/04/2023
	Date of Receipt	24/04/2023
	Calibration Date	24/04/2023
	Recommended due on (as per customer request)	23/04/2024
	Certificate Issue Date	26/04/2023

Description & Identification of UUC

Name	Micropipette			Condition on Receipt	OK
Make/Model	Erba	Range	100 to 1000 µl	Calibration Parameter	Volume
Sr. No.	----	Least Count	5 µl	Location	----
Id No.	TPL/UDR/MP-03	Calibration Performed At	Lab		
Environment Condition			Calibration Procedure Number		
Temperature / Humidity	23 ± 2°C / 35 to 85%RH		ES/SOP/M/16A based on ISO:8655-6:2002 (E) & NABL-129-1(D)		
Details of Standard / Master Equipment Used					
Nomenclature	Sr. No.	Class	Certificate No.	Validity	Calibrated By
A Set of Weights with Digital Balance	6663	E1	BBT/188/OCT/21	11/10/2024	NABL Cert. No. CC-3082

MECHANICAL CALIBRATION - VOLUME

CALIBRATION RESULTS

Nominal Value on UUC in µl	Average Value on Standard µl	Error in µl	Expanded Uncertainty (±) µl
100	99.17	0.83	0.24
500	498.86	1.14	0.24
1000	997.75	2.25	0.24

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	ULR Number	CC259723000005094F
	Certificate Number	2304/0584/06
	Job Request Number & Date	2023/0584/06 & 22/04/2023
	Date of Receipt	24/04/2023
	Calibration Date	24/04/2023
	Recommended due on (as per customer request)	23/04/2024
Certificate Issue Date	26/04/2023	

Description & Identification of UUC

Name	Digital Thermo Hygrometer			Condition on Receipt	OK	
Make/Model	-----/ HTC-1	Sr. No.	-----	Calibration Performed At	Lab	
Range	-10 to 50°C	10 to 99% RH	ID. No.	TPL/UDR/TH-02	Calibration Parameter	Temperature / Humidity
L.C.	0.1°C	1% RH	Location	-----		

Environment Condition		Calibration Procedure Number
Temperature/Humidity	25 ± 2°C / 50 ± 20%RH	ES/SOP/T/02 based on ITS-90 and NABL 129-5

Details of Standard / Master Equipment Used				
Nomenclature	Sr. Number	Certificate Number	Validity	Calibrated By
Digital Thermo Hygrometer with Sensor & Source	ES/TH/THM-01	30061452	22/11/2023	NABL Cert. No. CC-2733

THERMAL CALIBRATION- TEMPERATURE

CALIBRATION RESULTS

Calibration Range : 5 to 50°C & 20 to 95%RH									
Temperature @50%RH					Humidity @ 25°C				
Sr. No.	Avg. Reading Master in	Avg. Reading UUC in	Error in	Expanded Uncertainty (±)	Sr. No.	Avg. Reading Master in	Avg. Reading UUC in	Error in	Expanded Uncertainty (±)
	°C	°C	°C	°C		% RH	% RH	% RH	% RH
1.	5.06	5.0	-0.06	0.46	1.	20.42	20	-0.42	1.47
2.	15.27	15.1	-0.17	0.46	2.	50.76	50	-0.76	1.47
3.	30.43	30.2	-0.23	0.46	3.	75.99	75	-0.99	1.47
4.	50.18	49.9	-0.28	0.46	4.	95.32	94	-1.32	1.47

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Engineer-Calibration

Piyush Mandal

(Format No. QR/T/01, Rev. 00)



Authorized Signature

Brijesh Kumar Singh
(Technical Manager)



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	Certificate Number	2304/0584/03
	Job Request Number & Date	2023/0584/03 & 22/04/2023
	Date of Receipt	24/04/2023
	Calibration Date	24/04/2023
	Recommended due on (as per customer request)	23/04/2024
	Certificate Issue Date	26/04/2023

Description & Identification of UUC

Name	Temperature Indicator with Sensor of Deep Freezer (Single Position)	Condition on Receipt	OK
Make/Model	-----	Sr. No. -----	Site
Range	-20°C to 10 °C	ID. No. TPL/UDR/DF-01	Temperature
L.C.	0.1 °C	Location -----	

Environment Condition		Calibration Procedure Number
Temperature / Humidity	25 ± 2°C / 50 ± 20%RH	ES/SOP/T/03 based on ITS-90 and NABL 129-5

Details of Standard / Master Equipment Used				
Nomenclature	Sr. Number	Certificate Number	Validity	Calibrated By
Temperature Indicator with 4 wire RTD Sensor	ES/TH/RTD-02	2207/0702/02	30/06/2023	NABL Cert. No. CC-2597

THERMAL CALIBRATION - TEMPERATURE

CALIBRATION RESULTS

Calibration Points : -20, -10, -5, 10°C				
Sr. No.	Average UUC °C	Average Standard °C	Error °C	Expanded Uncertainty (±) °C
1	-20.0	-20.28	0.28	1.7
2	-10.1	-10.25	0.15	1.7
3	-5.2	-5.25	0.05	1.7
4	10.3	10.41	-0.11	1.7

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