



APEX QUALITY CERTIFICATION SERVICES PVT. LTD.

Addr.: 161, Kasturba Nagar, Nirman Nagar, Jaipur-302 019
 Ph.: 0141-4036776, 9414079483, 9636293333
 Email: apex.qcs@gmail.com



NABL ACCREDITED LAB
 Cert. No.: CC-2298

CALIBRATION CERTIFICATE

ULR: CC22982100000903F	DISCIPLINE Thermal	Page 01 of 01
CUSTOMER'S DETAILS M/S DR. B LAL CLINICAL LABORATORY PVT. LTD. Rathi Hospital, Near Pandit Ji ki Kothi, Saraswati Nagar, Sanwali Road, Sikar-332001	CERTIFICATE NO.: AQCS/21041001.003 Date of Issue of Certificate 12/04/2021 Date of Calibration 10/04/2021 Recommended due date 09/04/2022	

Service Request No.	210404/01	INSTRUMENT DESCRIPTION
Service Request Date	04/04/2021	Nomenclature Temperature Indicator with sensor of Incubator
DUC Receipt Date	10/04/2021	Make --
DUC Condition	ok	Model --
Cal. Performed At	Site	Sr. No. / Ident. -- / BLAL/SIK/INC/01
Procedure Followed	CP/TH-08	Range 30-110 °C
Environmental Condition		Least Count 0.1 °C
Temperature 25±5°C	Rel. Hum. 50±10%	Location Lab

STANDARD EQUIPMENT USED:

Nomenclature	Range	Uncertainty (±)	Identification No.	Traceability Certificate No.	Valid up to
PT100, 4 wire RTD with Indicator	-80 to 200 °C	0.1 to 0.15 °C	11339 /16A046131	TL/020/319.2.1	28/05/2021

CALIBRATION RESULT

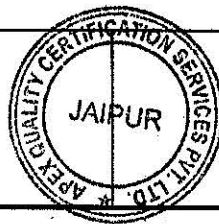
Value on standard (°C)	Measurement DUC (°C)	Error (°C)	Expanded Uncertainty ± (°C)
30.21	30.0	-0.21	1.25
50.38	50.1	-0.28	1.25
71.44	71.1	-0.34	1.25
90.60	90.2	-0.40	1.25
109.69	109.2	-0.49	1.25

REMARKS :

- Expanded uncertainty of Measurement at approximately 95 % confidence level for coverage factor k = 2 is as given above.
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- This certificate shall not be reproduced, except in full, unless a written permission for the publication of an approved abstract has been obtained from the Director, Apex Quality Certification Services Pvt. Ltd. Jaipur
- Format Number.: F-06/00

Calibrated by

(Sachin Yadav)



Approved by

(R. R. Yadav)
Quality Manager



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NABL ACCREDITED LAB
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CALIBRATION CERTIFICATE

ULR: CC22982100000904F	DISCIPLINE Thermal	Page 01 of 01
CUSTOMER'S DETAILS M/S DR. B LAL CLINICAL LABORATORY PVT. LTD. Rathi Hospital, Near Pandit Ji ki Kothi, Saraswati Nagar, Sanwali Road, Sikar-332001	CERTIFICATE NO.: Date of Issue of Certificate Date of Calibration Recommended due date	AQCS/21041001.004 12/04/2021 10/04/2021 09/04/2022

Service Request No.	210404/01	INSTRUMENT DESCRIPTION
Service Request Date	04/04/2021	Nomenclature Temperature Indicator with sensor of Oven
DUC Receipt Date	10/04/2021	Make --
DUC Condition	ok	Model --
Cal. Performed At	Site	Sr. No. / Ident. -- / BLAL/SIK/OVEN/01
Procedure Followed	CP/TH-08	Range 30-200 °C
Environmental Condition		Least Count 2 °C
Temperature 25±5°C	Rel. Hum. 50±10%	Location Lab

STANDARD EQUIPMENT USED:

Nomenclature	Range	Uncertainty (±)	Identification No.	Traceability Certificate No.	Valid up to
PT100, 4 wire RTD with Indicator	-80 to 200 °C	0.1 to 0.15 °C	11339 /16A046131	TL/020/319.2.1	28/05/2021

CALIBRATION RESULT

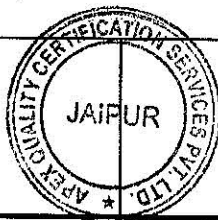
Value on standard (°C)	Measurement DUC (°C)	Error (°C)	Expanded Uncertainty ± (°C)
30.44	30	-0.44	1.25
60.64	60	-0.64	1.25
100.85	100	-0.85	1.25
150.99	150	-0.99	1.25
201.40	200	-1.40	1.25

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NABL ACCREDITED LAB

Cert. No.: CC-2298

CALIBRATION CERTIFICATE

ULR: CC22982100000902F	DISCIPLINE Mechanical	Page 01 of 01
CUSTOMER'S DETAILS M/S DR. B LAL CLINICAL LABORATORY PVT. LTD. Rathi Hospital, Near Pandit Ji ki Kothi, Saraswati Nagar, Sanwali Road, Sikar-332001	CERTIFICATE NO.: Date of Issue of Certificate Date of Calibration Recommended due date	AQCS/21041001.002 12/04/2021 10/04/2021 09/04/2022

Service Request No.	210404/01	INSTRUMENT DESCRIPTION	
Service Request Date	04/04/2021	Nomenclature	Centrifuge Machine
DUC Receipt Date	10/04/2021	Make	Labman
DUC Condition	ok	Model	-
Cal. Performed At	Site	Sr. No. / Ident. No.	L-149 / BLAL/SIK/CFG/02
Procedure Followed	CP/RM/01	Range	0-3500 RPM
Environmental Condition		Least Count	10 RPM
Temperature 23±5°C	Rel. Hum. 50±10%	Location	Lab

STANDARD EQUIPMENT USED:

Nomenclature	Range	Uncertainty (±)	Identification No.	Traceability Cert No.	Valid up to
Digital Tachometer	10 to 99,999	5 to 26	S999205	NCL/B/2021/34/01	25/02/2022

CALIBRATION RESULT

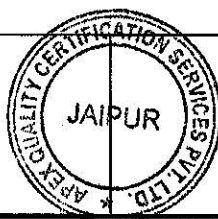
Measured Value of RPM on Std.	Measured Value of RPM on DUC	Error in RPM	Expanded Uncertainty (± % of rdg.) in RPM
702.1	700	-2.1	2.37
1523	1520	-3	2.37
2143	2140	-3	2.37
2834	2830	-4	2.37
3465	3460	-5	1.04

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CALIBRATION CERTIFICATE

ULR: CC22982100000901F	DISCIPLINE Mechanical	Page 01 of 01
CUSTOMER'S DETAILS M/S DR. B LAL CLINICAL LABORATORY PVT. LTD. Rathi Hospital, Near Pandit Ji ki Kothi, Saraswati Nagar, Sanwali Road, Sikar-332001	CERTIFICATE NO.: Date of Issue of Certificate Date of Calibration Recommended due date	AQCS/21041001.001 12/04/2021 10/04/2021 09/04/2022

Service Request No.	210404/01	INSTRUMENT DESCRIPTION	
Service Request Date	04/04/2021	Nomenclature	Centrifuge Machine
DUC Receipt Date	10/04/2021	Make	Remi
DUC Condition	ok	Model	R-8C
Cal. Performed At	Site	Sr. No. / Ident. No.	ZEAN-00266 /BLAL/SIK/CFG/01
Procedure Followed	CP/RM/01	Range	0-5250 RPM
Environmental Condition		Least Count	10 RPM
Temperature	23±5°C	Location	Lab
Rel. Hum.	50±10%		

STANDARD EQUIPMENT USED:

Nomenclature	Range	Uncertainty (±)	Identification No.	Traceability Cert No.	Valid up to
Digital Tachometer	10 to 99,999	5 to 26	S999205	NCL/B/2021/34/01	25/02/2022

CALIBRATION RESULT

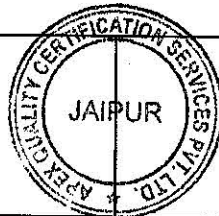
Measured Value of RPM on Std.	Measured Value of RPM on DUC	Error in RPM	Expanded Uncertainty (± % of rdg.) in RPM
598.6	600	1.4	2.37
1518	1520	2	2.37
2817	2820	3	2.37
4006	4010	4	1.04
5216	5220	4	1.04

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CALIBRATION CERTIFICATE

ULR: CC22982100000905F	DISCIPLINE Thermal	Page 01 of 01
CUSTOMER'S DETAILS M/S DR. B LAL CLINICAL LABORATORY PVT. LTD. Rathi Hospital, Near Pandit Ji ki Kothi, Saraswati Nagar, Sanwali Road, Sikar-332001	CERTIFICATE NO.: Date of Issue of Certificate Date of Calibration Recommended due date	AQCS/21041001.005 12/04/2021 10/04/2021 09/04/2022

Service Request No.	210404/01	INSTRUMENT DESCRIPTION	
Service Request Date	04/04/2021	Nomenclature	Digital Thermometer with sensor
DUC Receipt Date	10/04/2021	Make	Multi thermometer
DUC Condition	ok	Model	--
Cal. Performed At	Site	Sr. No. / Ident.	201612013555 / BLAL/SIK/THM/01
Procedure Followed	CP/TH-08	Range	2-8 °C
Environmental Condition		Least Count	0.1 °C
Temperature 25±5°C	Rel. Hum. 50±10%	Location	Lab

STANDARD EQUIPMENT USED:

Nomenclature	Range	Uncertainty (±)	Identification No.	Traceability Certificate No.	Valid up to
PT100, 4 wire RTD with Indicator	-80 to 200 °C	0.1 to 0.15 °C	11339 /16A046131	TL/020/319.2.1	28/05/2021

CALIBRATION RESULT

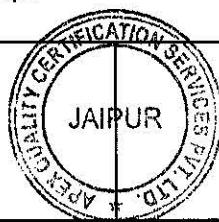
Value on standard (°C)	Measurement DUC (°C)	Error (°C)	Expanded Uncertainty ± (°C)
2.24	2.1	-0.15	2.5
3.27	3.1	-0.17	2.5
5.19	5.0	-0.19	2.5
7.12	6.9	-0.22	2.5
8.15	7.9	-0.25	2.5

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ULR: CC22982100000906F	DISCIPLINE Thermal	Page 01 of 01
CUSTOMER'S DETAILS M/S DR. B LAL CLINICAL LABORATORY PVT. LTD. Rathi Hospital, Near Pandit Ji ki Kothi, Saraswati Nagar, Sanwali Road, Sikar-332001	CERTIFICATE NO.: AQCS/21041001.006 Date of Issue of Certificate: 12/04/2021 Date of Calibration: 10/04/2021 Recommended due date: 09/04/2022	

Service Request No. 210404/01 Service Request Date 04/04/2021 DUC Receipt Date 10/04/2021 DUC Condition ok Cal. Performed At Site Procedure Followed CP/TH-08 Environmental Condition Temperature 25±5°C Rel. Hum. 50±10%	INSTRUMENT DESCRIPTION Nomenclature Digital Thermometer with sensor Make Multi thermometer Model -- Sr. No. / Ident. -- / BLAL/SIK/THM/02 Range 2-8 °C Least Count 0.1 °C Location Lab
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STANDARD EQUIPMENT USED:

Nomenclature	Range	Uncertainty (±)	Identification No.	Traceability Certificate No.	Valid up to
PT100, 4 wire RTD with Indicator	-80 to 200 °C	0.1 to 0.15 °C	11339 /16A046131	TL/020/319.2.1	28/05/2021

CALIBRATION RESULT

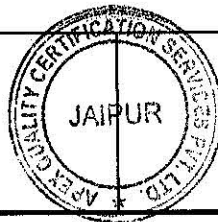
Value on standard (°C)	Measurement DUC (°C)	Error (°C)	Expanded Uncertainty ± (°C)
1.89	2.1	0.21	2.5
2.87	3.1	0.23	2.5
4.75	5.0	0.25	2.5
6.63	6.9	0.27	2.5
7.60	7.9	0.30	2.5

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ULR: CC22982100000907F	DISCIPLINE Thermal	Page 01 of 01
CUSTOMER'S DETAILS M/S DR. B LAL CLINICAL LABORATORY PVT. LTD. Rathi Hospital, Near Pandit Ji ki Kothi, Saraswati Nagar, Sanwali Road, Sikar-332001	CERTIFICATE NO.: AQCS/21041001.007 Date of Issue of Certificate: 12/04/2021 Date of Calibration: 10/04/2021 Recommended due date: 09/04/2022	

Service Request No. 210404/01	Service Request Date 04/04/2021	DUC Receipt Date 10/04/2021	DUC Condition ok	Cal. Performed At Site	Procedure Followed CP/TH-08	ENVIRONMENTAL CONDITION Temperature 25±5°C Rel. Hum. 50±10%
INSTRUMENT DESCRIPTION						
Nomenclature Digital Thermometer with sensor		Make Multi thermometer		Model --		
Sr. No. / Ident. -- / BLAL/SIK/THM/03		Range 2-8 °C		Least Count 0.1 °C		
Location Lab						

STANDARD EQUIPMENT USED:

Nomenclature	Range	Uncertainty (±)	Identification No.	Traceability Certificate No.	Valid up to
PT100, 4 wire RTD with Indicator	-80 to 200 °C	0.1 to 0.15 °C	11339 /16A046131	TL/020/319.2.1	28/05/2021

CALIBRATION RESULT

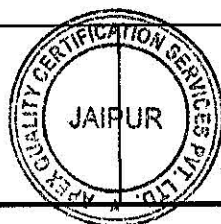
Value on standard (°C)	Measurement DUC (°C)	Error (°C)	Expanded Uncertainty ± (°C)
1.88	2.1	0.22	2.5
2.85	3.1	0.25	2.5
4.71	5.0	0.29	2.5
6.59	6.9	0.31	2.5
7.54	7.9	0.36	2.5

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CALIBRATION CERTIFICATE

ULR: CC22982100000908F	DISCIPLINE Thermal	Page 01 of 01
CUSTOMER'S DETAILS M/S DR. B LAL CLINICAL LABORATORY PVT. LTD. Rathi Hospital, Near Pandit Ji ki Kothi, Saraswati Nagar, Sanwali Road, Sikar-332001	CERTIFICATE NO.: AQCS/21041001.008 Date of Issue of Certificate: 12/04/2021 Date of Calibration: 10/04/2021 Recommended due date: 09/04/2022	

Service Request No. 210404/01	INSTRUMENT DESCRIPTION
Service Request Date 04/04/2021	Nomenclature Digital Thermometer with sensor
DUC Receipt Date 10/04/2021	Make Multi thermometer
DUC Condition ok	Model --
Cal. Performed At Site	Sr. No. / Ident. -- / BLAL/SIK/THM/04
Procedure Followed CP/TH-08	Range 2-8 °C
Environmental Condition	Least Count 0.1 °C
Temperature 25±5°C Rel. Hum. 50±10%	Location Lab

STANDARD EQUIPMENT USED:

Nomenclature	Range	Uncertainty (±)	Identification No.	Traceability Certificate No.	Valid up to
PT100, 4 wire RTD with Indicator	-80 to 200 °C	0.1 to 0.15 °C	11339 /16A046131	TL/020/319.2.1	28/05/2021

CALIBRATION RESULT

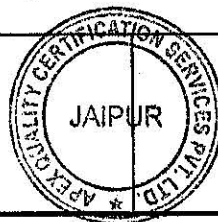
Value on standard (°C)	Measurement DUC (°C)	Error (°C)	Expanded Uncertainty ± (°C)
1.68	2.0	0.32	2.5
2.87	3.2	0.33	2.5
3.92	4.3	0.38	2.5
5.67	6.1	0.43	2.5
7.50	8.0	0.50	2.5

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CALIBRATION CERTIFICATE

ULR: CC22982100000909F	DISCIPLINE	Mechanical	Page 01 of 01
CUSTOMER'S DETAILS		CERTIFICATE NO.:	AQCS/21041001.009
M/S DR. B LAL CLINICAL LABORATORY PVT. LTD.		Date of Issue of Certificate	12/04/2021
Rathi Hospital, Near Pandit Ji ki Kothi, Saraswati Nagar, Sanwali Road, Sikar-332001		Date of Calibration	10/04/2021
		Recommended due date	09/04/2022

Service Request No.	210404/01	INSTRUMENT DESCRIPTION	
Service Request Date	04/04/2021	Nomenclature	Weighing Balance
DUC Receipt Date	10/04/2021	Make	Wensar
DUC Condition	ok	Model	PGB600
Cal. Performed At	Site	Sr. No. / Ident. No.	53403 / BLAL/SIK/WHG/01
Procedure Followed	CP/WI-01	Range	0-600 g
Environmental Condition		Least Count	0.01 g
Temperature	25±5°C	Location	Lab
Rel. Hum.	50±10%		

STANDARD EQUIPMENT USED:

Nomenclature	Range	Uncertainty	Identification No.	Traceability Cert. No.	Valid up to
SS Weights	0-200 gm	---	3134	SCW-0121-013	06/01/2023
SS Weights	---	---	130320-9,23,26	SCW/1019/327	16/10/2021
SS Weights	0.5,1 Kg	1.2mg	36223588	3926/WB/001,002	03/10/2021

CALIBRATION RESULT

Linearity

Avg. Std. Value (g)	Avg. Value on DUC (g)	Error (g)	Expanded Uncertainty (±g)
0.050009	0.05	-0.000009	0.03
0.100006	0.095	-0.005006	0.03
0.999998	0.995	-0.004998	0.03
2.000012	1.99	-0.010012	0.03
5.000003	4.985	-0.015003	0.03
10.00003	9.985	-0.01503	0.03
20.00004	19.975	-0.02504	0.03
50.00003	49.975	-0.02503	0.03
100.00008	99.955	-0.04508	0.03
200.00007	199.925	-0.07507	0.03
500.001	499.875	-0.126	2.00

Repeatability The repeatability of the balance at 500g is 0.01g

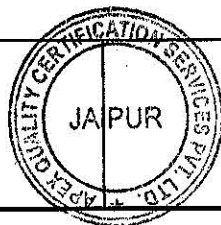
Eccentricity The eccentricity of the balance is 0.01g

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- Format Number.: F-06/00

Calibrated by

(V. B. Mathew)



Approved by

(R. R. Yadav)
Quality Manager



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CALIBRATION CERTIFICATE

ULR: CC22982100000910F	DISCIPLINE Mechanical	Page 01 of 01
CUSTOMER'S DETAILS		CERTIFICATE NO.:
M/S DR. B LAL CLINICAL LABORATORY PVT. LTD.		AQCS/21041001.010
Rathi Hospital, Near Pandit Ji ki Kothi, Saraswati Nagar,		Date of Issue of Certificate
Sanwali Road, Sikar-332001		12/04/2021
		Date of Calibration
		10/04/2021
		Recommended due date
		09/04/2022

Service Request No.	210404/01	INSTRUMENT DESCRIPTION	
Service Request Date	04/04/2021	Nomenclature	Micropipette
DUC Receipt Date	09/04/2021	Make	P'Fact
DUC Condition	ok	Model	AV-700
Cal. Performed At	Lab	Sr. No. / Ident.	MK435660 /BLAL/SIK/MICP/01
Procedure Followed	CP/VM-01	Range	2 to 20 μ l
Environmental Condition		Least Count	0.02 μ l
Temperature	25 \pm 2°C	Location	Lab
Rel. Hum.	50 \pm 10%		

STANDARD EQUIPMENT USED:

Nomenclature	Range	Uncertainty	Identification No.	Traceability Cert. No.	Valid up to
Weighing Balance	0 to 220 g	0.00003 & 0.0004 g	556300	TC/6891/2020	07/12/2021

CALIBRATION RESULT

DUC Value (μ l)	Observed Value on Standard (μ l)	Error (μ l)	Average Value at 27°C (μ l)	Expanded Uncertainty \pm (μ l)
10.00	9.90	0.10	9.90	0.66
15.00	14.86	0.14	14.86	0.66
20.00	19.78	0.22	19.78	0.66

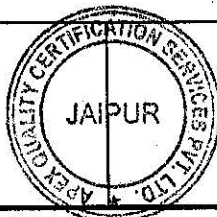
REMARKS :

- Expanded uncertainty of Measurement at approximately 95 % confidence level for coverage factor k = 2 is as given above.
- The result reported in this certificate is valid at the time of and under the stated conditions of Measurement for the particular item and instrument identified above.
- This certificate shall not be reproduced, except in full, unless a written permission for the publication of an approved abstract has been obtained from the Director, Apex Quality Certification Services Pvt. Ltd. Jaipur
- Calibration of volumetric measures done is meant for scientific and industrial purpose only, However, if used for commercial trading, additional recognition/approval shall be complied as required by Dept. of legal Calibration, regulatory bodies etc.
- Format Number.: F-06/00

Calibrated by

V. B. Mathew

(V. B. Mathew)



Approved by

R. R. Yadav

(R. R. Yadav)

Quality Manager



APEX QUALITY CERTIFICATION SERVICES PVT. LTD.

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NABL ACCREDITED LAB
Cert. No.: CC-2298

CALIBRATION CERTIFICATE

ULR: CC22982100000911F	DISCIPLINE Mechanical	Page 01 of 01
CUSTOMER'S DETAILS	CERTIFICATE NO.:	AQCS/21041001.011
M/S DR. B LAL CLINICAL LABORATORY PVT. LTD.	Date of Issue of Certificate	12/04/2021
Rathi Hospital, Near Pandit Ji ki Kothi, Saraswati Nagar, Sanwali Road, Sikar-332001	Date of Calibration	10/04/2021
	Recommended due date	09/04/2022

Service Request No.	210404/01	INSTRUMENT DESCRIPTION	
Service Request Date	04/04/2021	Nomenclature	Micropipette
DUC Receipt Date	09/04/2021	Make	P'Fact
DUC Condition	ok	Model	AV-600
Cal. Performed At	Lab	Sr. No. / Ident.	OB490850 / BLAL/SIK/MICP/02
Procedure Followed	CP/VM-01	Range	100 to 1000 μ l
Environmental Condition		Least Count	5 μ l
Temperature 25 \pm 2 $^{\circ}$ C	Rel. Hum. 50 \pm 10%	Location	Lab

STANDARD EQUIPMENT USED:

Nomenclature	Range	Uncertainty	Identification No.	Traceability Cert. No.	Valid up to
Weighing Balance	0 to 220 g	0.00003 & 0.0004 g	556300	TC/6891/2020	07/12/2021

CALIBRATION RESULT

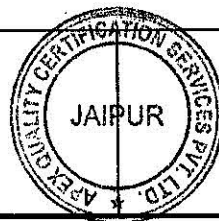
DUC Value (μ l)	Observed Value on Standard (μ l)	Error (μ l)	Average Value at 27 $^{\circ}$ C (μ l)	Expanded Uncertainty \pm (μ l)
100	99.74	0.26	99.75	0.66
250	249.71	0.29	249.73	0.66
500	499.69	0.31	499.72	0.66
750	749.67	0.33	749.72	0.66
1000	999.75	0.25	999.82	0.66

REMARKS :

- Expanded uncertainty of Measurement at approximately 95 % confidence level for coverage factor k = 2 is as given above.
- The result reported in this certificate is valid at the time of and under the stated conditions of Measurement for the particular item and instrument identified above.
- This certificate shall not be reproduced, except in full, unless a written permission for the publication of an approved abstract has been obtained from the Director, Apex Quality Certification Services Pvt. Ltd. Jaipur
- Calibration of volumetric measures done is meant for scientific and industrial purpose only, However, if used for commercial trading, additional recognition/approval shall be complied as required by Dept. of legal Calibration, regulatory bodies etc.
- Format Number.: F-06/00

Calibrated by

(V. B. Mathew)



Approved by

(R. R. Yadav)

Quality Manager



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NABL ACCREDITED LAB
Cert. No.: CC-2298

CALIBRATION CERTIFICATE

ULR: CC22982100000912F	DISCIPLINE Mechanical	Page 01 of 01
CUSTOMER'S DETAILS	CERTIFICATE NO.:	AQCS/21041001.012
M/S DR. B LAL CLINICAL LABORATORY PVT. LTD.	Date of Issue of Certificate	12/04/2021
Rathi Hospital, Near Pandit Ji ki Kothi, Saraswati Nagar, Sanwali Road, Sikar-332001	Date of Calibration	10/04/2021
	Recommended due date	09/04/2022

Service Request No.	210404/01	INSTRUMENT DESCRIPTION	
Service Request Date	04/04/2021	Nomenclature	Micropipette
DUC Receipt Date	09/04/2021	Make	P'Fact
DUC Condition	ok	Model	NW02614
Cal. Performed At	Lab	Sr. No. / Ident.	MK435592 / BLAL/SIK/MICP/04
Procedure Followed	CP/VM-01	Range	5 to 50 μ l
Environmental Condition		Least Count	0.5 μ l
Temperature 25 \pm 2 $^{\circ}$ C	Rel. Hum. 50 \pm 10%	Location	Lab

STANDARD EQUIPMENT USED:

Nomenclature	Range	Uncertainty	Identification No.	Traceability Cert. No.	Valid up to
Weighing Balance	0 to 220 g	0.00003 & 0.0004 g	556300	TC/6891/2020	07/12/2021

CALIBRATION RESULT

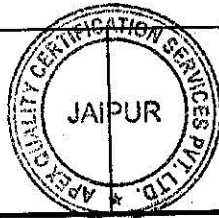
DUC Value (μ l)	Observed Value on Standard (μ l)	Error (μ l)	Average Value at 27 $^{\circ}$ C (μ l)	Expanded Uncertainty \pm (μ l)
10.0	9.85	0.15	9.85	0.66
20.0	19.84	0.16	19.84	0.66
30.0	29.81	0.19	29.81	0.66
40.0	39.79	0.21	39.80	0.66
50.0	49.76	0.24	49.76	0.66

REMARKS :

- Expanded uncertainty of Measurement at approximately 95 % confidence level for coverage factor $k = 2$ is as given above.
- The result reported in this certificate is valid at the time of and under the stated conditions of Measurement for the particular item and instrument identified above.
- This certificate shall not be reproduced, except in full, unless a written permission for the publication of an approved abstract has been obtained from the Director, Apex Quality Certification Services Pvt. Ltd. Jaipur
- Calibration of volumetric measures done is meant for scientific and industrial purpose only, However, if used for commercial trading, additional recognition/approval shall be complied as required by Dept. of legal Calibration, regulatory bodies etc.
- Format Number.: F-06/00

Calibrated by

(V. B. Mathew)



Approved by

(R. R. Yadav)
Quality Manager



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NABL ACCREDITED LAB
Cert. No.: CC-2298

CALIBRATION CERTIFICATE

ULR: CC22982100000913F	DISCIPLINE Mechanical	Page 01 of 01
CUSTOMER'S DETAILS		CERTIFICATE NO.:
M/S DR. B LAL CLINICAL LABORATORY PVT. LTD.		AQCS/21041001.013
Rathi Hospital, Near Pandit Ji ki Kothi, Saraswati Nagar, Sanwali Road, Sikar-332001		Date of Issue of Certificate 12/04/2021
		Date of Calibration 10/04/2021
		Recommended due date 09/04/2022

Service Request No.	210404/01	INSTRUMENT DESCRIPTION	
Service Request Date	04/04/2021	Nomenclature	Micropipette
DUC Receipt Date	09/04/2021	Make	P'Fact
DUC Condition	ok	Model	AV-600
Cal. Performed At	Lab	Sr. No. / Ident.	MK435154 / BLAL/SIK/MICP/03
Procedure Followed	CP/VM-01	Range	100 to 1000 μ l
Environmental Condition		Least Count	5 μ l
Temperature 25 \pm 2 $^{\circ}$ C	Rel. Hum. 50 \pm 10%	Location	Lab

STANDARD EQUIPMENT USED:

Nomenclature	Range	Uncertainty	Identification No.	Traceability Cert. No.	Valid up to
Weighing Balance	0 to 220 g	0.00003 & 0.0004 g	556300	TC/6891/2020	07/12/2021

CALIBRATION RESULT

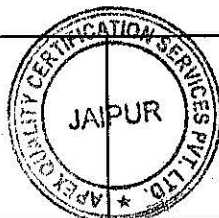
DUC Value (μ l)	Observed Value on Standard (μ l)	Error (μ l)	Average Value at 27 $^{\circ}$ C (μ l)	Expanded Uncertainty \pm (μ l)
100	100.11	-0.11	100.12	0.66
250	250.16	-0.16	250.18	0.66
500	500.24	-0.24	500.28	0.66
750	750.35	-0.35	750.40	0.66
1000	1000.48	-0.48	1000.55	0.66

REMARKS :

- Expanded uncertainty of Measurement at approximately 95 % confidence level for coverage factor k = 2 is as given above.
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- Format Number.: F-06/00

Calibrated by

(V. B. Mathew)



Approved by

(R. R. Yadav)

Quality Manager



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NABL ACCREDITED LAB
Cert. No.: CC-2298

CALIBRATION CERTIFICATE

ULR: CC22982100000914F	DISCIPLINE Mechanical	Page 01 of 01
CUSTOMER'S DETAILS M/S DR. B LAL CLINICAL LABORATORY PVT. LTD. Rathi Hospital, Near Pandit Ji ki Kothi, Saraswati Nagar, Sanwali Road, Sikar-332001	CERTIFICATE NO.: Date of Issue of Certificate Date of Calibration Recommended due date	AQCS/21041001.014 12/04/2021 10/04/2021 09/04/2022

Service Request No.	210404/01	INSTRUMENT DESCRIPTION	
Service Request Date	04/04/2021	Nomenclature	Micropipette
DUC Receipt Date	09/04/2021	Make	Thermoscientific
DUC Condition	ok	Model	--
Cal. Performed At	Lab	Sr. No. / Ident.	LW04242 / BLAL/SIK/MICP/06
Procedure Followed	CP/VM-01	Range	20 to 200 μ l
Environmental Condition		Least Count	0.2 μ l
Temperature	25 \pm 2 $^{\circ}$ C	Location	Lab
Rel. Hum.	50 \pm 10%		

STANDARD EQUIPMENT USED:

Nomenclature	Range	Uncertainty	Identification No.	Traceability Cert. No.	Valid up to
Weighing Balance	0 to 220 g	0.00003 & 0.0004 g	556300	TC/6891/2020	07/12/2021

CALIBRATION RESULT

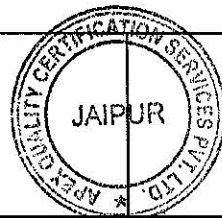
DUC Value (μ l)	Observed Value on Standard (μ l)	Error (μ l)	Average Value at 27 $^{\circ}$ C (μ l)	Expanded Uncertainty \pm (μ l)
20.0	19.83	0.17	19.84	0.66
50.0	49.83	0.17	49.84	0.66
100.0	99.80	0.20	99.81	0.66
150.0	149.76	0.24	149.77	0.66
200.0	199.67	0.33	199.68	0.66

REMARKS :

- Expanded uncertainty of Measurement at approximately 95 % confidence level for coverage factor $k = 2$ is as given above.
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- Format Number.: F-06/00

Calibrated by

(V. B. Mathew)



Approved by

(R. R. Yadav)
Quality Manager



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NABL ACCREDITED LAB
Cert. No.: CC-2298

CALIBRATION CERTIFICATE

ULR: CC22982100000915F	DISCIPLINE Mechanical	
CUSTOMER'S DETAILS M/S DR. B LAL CLINICAL LABORATORY PVT. LTD. Rathi Hospital, Near Pandit Ji ki Kothi, Saraswati Nagar, Sanwali Road, Sikar-332001	CERTIFICATE NO.:	AQCS/21041001.015
	Date of Issue of Certificate	12/04/2021
	Date of Calibration	10/04/2021
	Recommended due date	09/04/2022

Service Request No.	210404/01	INSTRUMENT DESCRIPTION	
Service Request Date	04/04/2021	Nomenclature	Micropipette
DUC Receipt Date	09/04/2021	Make	Thermoscientific
DUC Condition	ok	Model	---
Cal. Performed At	Lab	Sr. No. / Ident.	LW07993 / BLAL/SIK/MICP/05
Procedure Followed	CP/VM-01	Range	20 to 200 μ l
Environmental Condition		Least Count	0.2 μ l
Temperature 25 \pm 2 $^{\circ}$ C	Rel. Hum. 50 \pm 10%	Location	Lab

STANDARD EQUIPMENT USED:

Nomenclature	Range	Uncertainty	Identification No.	Traceability Cert. No.	Valid up to
Weighing Balance	0 to 220 g	0.00003 & 0.0004 g	556300	TC/6891/2020	07/12/2021

CALIBRATION RESULT

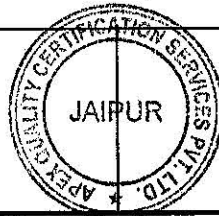
DUC Value (μ l)	Observed Value on Standard (μ l)	Error (μ l)	Average Value at 27 $^{\circ}$ C (μ l)	Expanded Uncertainty \pm (μ l)
20.0	19.90	0.10	19.90	0.66
50.0	49.89	0.11	49.89	0.66
100.0	99.87	0.13	99.88	0.66
150.0	149.85	0.15	149.86	0.66
200.0	199.79	0.21	199.81	0.66

REMARKS :

- Expanded uncertainty of Measurement at approximately 95 % confidence level for coverage factor k = 2 is as given above.
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- Format Number.: F-06/00

Calibrated by

(V. B. Mathew)



Approved by

(R. R. Yadav)
Quality Manager



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CALIBRATION CERTIFICATE

Page 01 of 01

CERTIFICATE NO.: AQCS/21041001.10016		Date of Calibration : 10/04/2021			
		Recommended due date : 09/04/2022			
CUSTOMER'S DETAILS		INSTRUMENT DESCRIPTION			
M/S Dr. B LAL CLINICAL LABORATORY PVT. LTD. Rathi Hospital, Near Pandit Ji ki Kothi, Saraswati Nagar, Sanwali Road, Sikar-332001 (Rajasthan)		Nomenclature : Thermo hygrometer Make : R-tek Model : -- Sr. No. : IN140109669 Ident. No. : BLAL/SIK/THG/01 Range : 0 to 50°C & 20-95% RH Least Count : 0.1 °C & 1 % RH Location : Lab Cal. Performed At : Lab			
Service Request No. : 210404/01 Dated: 04/04/2021					
STANDARD EQUIPMENT USED:					
Nomenclature	Identification No.	Traceability Certificate No.	Valid up to		
PT100-4wire RTD with indicator	11339/16A046131	TL/020/319.2.1	28/05/2021		
Master Thermo hygrometer	AQCS/THG-02	20000010820	06/05/2021		
ENVIRONMENTAL CONDITIONS:		PROCEDURE FOLLOWED:			
Temperature : 25 ± 2.5°C Relative Humidity : 50 ± 10%		CP/TH -08, CP/THM-01			
CALIBRATION RESULT					
PARAMETER: Temperature@50%RH			PARAMETER: Humidity @ 25°C		
Value on standard (°C)	Measurement on DUC (°C)	Error (°C)	Value on standard (% RH)	Measurement DUC (% RH)	Error (% RH)
2.17	2.3	0.13	29	30	1
18.23	18.4	0.17	43	45	2
26.68	26.9	0.22	64	66	2
33.83	34.1	0.27	75	77	2
49.26	49.6	0.34	85	88	3
REMARKS :					
1. Expanded uncertainty of Measurement at approximately 95 % confidence level for coverage factor k = 2 is as given above.					
2. The result reported in this certificate is valid at the time of and under the started conditions of Measurement for the particular item and instrument identified above.					
3. This certificate shall not be reproduced, except in full, unless a written permission for the publication of an approved abstract has been obtained from the Director, Apex Quality Certification Services Pvt. Ltd. Jaipur					
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CALIBRATION CERTIFICATE

Page 01 of 01

CERTIFICATE NO.:AQCS/21041001.10017		Date of Calibration : 10/04/2021	
		Recommended due date : 09/04/2022	
CUSTOMER'S DETAILS		INSTRUMENT DESCRIPTION	
M/S Dr. B LAL CLINICAL LABORATORY PVT. LTD. Rathi Hospital, Near Pandit Ji ki Kothi, Saraswati Nagar, Sanwali Road, Sikar-332001 (Rajasthan)		Nomenclature : Blood Mixer (RPM) Make : Transasia Biomedical Model : SR-20A Sr. No./Ident. No. : 219 / BLAL/SIK/EQP/01 Range : 30-36 RPM Least Count : --- Location : Lab Cal. Performed At : Site	
Service Request No. : 210404/01 Dated: 04/04/2021			
STANDARD EQUIPMENT USED:			
Nomenclature	Identification No.	Traceability Certificate No.	Valid up to
Digital Tachometer	S999205	NCL/B/2021/34/01	25/02/2022
ENVIRONMENTAL CONDITIONS:		PROCEDURE FOLLOWED:	
Temperature : 25 ± 5°C Relative Humidity : 50± 10%		CP/RM-01	
CALIBRATION RESULT			
S. No.	Specified value on DUC RPM	RPM on STD	
1	31	31.6	
2		31.5	
3		31.7	
4		31.6	
5		31.4	
Average		31.6	
REMARKS :			
1. Expanded uncertainty of Measurement at approximately 95 % confidence level for coverage factor k = 2 is ± 9.63% of reading.			
2. The result reported in this certificate is valid at the time of and under the started conditions of Measurement for the particular item and instrument identified above.			
3. This certificate shall not be reproduced, except in full, unless a written permission for the publication of an approved abstract has been obtained from the Director, Apex Quality Certification Services Pvt. Ltd. Jaipur			
4. Format Number.: F-06/00			
Calibrated by (V. B. Mathew)			Approved by (R. R. Yadav) Quality Manager



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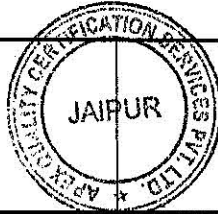


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CALIBRATION CERTIFICATE

Page 01 of 01

CERTIFICATE NO.: AQCS/21041001.10018		Date of Calibration : 10/04/2021	Recommended due date : 09/04/2022
CUSTOMER'S DETAILS		INSTRUMENT DESCRIPTION	
M/S Dr. B LAL CLINICAL LABORATORY PVT. LTD. Rathi Hospital, Near Pandit Ji ki Kothi, Saraswati Nagar, Sanwali Road, Sikar-332001 (Rajasthan)		Nomenclature : Rotary Shaker(RPM) Make : Remi Model : RS-12R Sr. No. : ZGES-10482 Ident. No. : BLAL/SIK/SHEK/01 Range : 2500 RPM Least Count : as per results Location : Lab Cal. Performed At : Site	
Service Request No. : 210404/01 Dated: 04/04/2021			
STANDARD EQUIPMENT USED:			
Nomenclature	Identification No.	Traceability Certificate No.	Valid up to
Digital Tachometer	S999205	NCL/B/2021/34/01	25/02/2022
ENVIRONMENTAL CONDITIONS:		PROCEDURE FOLLOWED:	
Temperature : 23 ± 5°C Relative Humidity : 50± 10%		CP/RM-01	
CALIBRATION RESULT			
S. No.	Knob setting on DUC	Measured Value on STD in RPM	
1	1	614	
2	2	1245	
3	3	1915	
4	4	2482	
REMARKS :			
1. Expanded uncertainty of Measurement at approximately 95 % confidence level for coverage factor k = 2 is ± 2.37% of reading. 2. The result reported in this certificate is valid at the time of and under the started conditions of Measurement for the particular item and instrument identified above. 3. This certificate shall not be reproduced, except in full, unless a written permission for the publication of an approved abstract has been obtained from the Director, Apex Quality Certification Services Pvt. Ltd. Jaipur 4. Format Number.: F-06/00			
Calibrated by (V. B. Mathew)		Approved by (R. R. Yadav) Quality Manager	





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CALIBRATION CERTIFICATE

Page 01 of 01

CERTIFICATE NO.: AQCS/21041001.10019		Date of Calibration : 10/04/2021				
		Recommended due date : 09/04/2022				
CUSTOMER'S DETAILS		INSTRUMENT DESCRIPTION				
M/S Dr. B LAL CLINICAL LABORATORY PVT. LTD. Rathi Hospital, Near Pandit Ji ki Kothi, Saraswati Nagar, Sanwali Road, Sikar-332001 (Rajasthan)		Nomenclature : Stop Watch Make : Winner Loud Star Model : 105 Sr. No. / Ident. No. : -- / BLAL/SIK/STW/01 Range : 0-24Hr. Least Count : 0.01 sec. Location : Lab Cal. Performed At : Lab				
Service Request No. : 210404/01 Dated: 04/04/2021						
STANDARD EQUIPMENT USED:						
Nomenclature	Identification No.	Traceability Certificate No.	Valid up to			
Digital Stop watch	AQCS/SW/01	NCL/J/2020/34/03	27/10/2021			
ENVIRONMENTAL CONDITIONS:		PROCEDURE FOLLOWED:				
Temperature : 25 ± 4°C Relative Humidity : 50 ± 10%		CP/TM -01				
CALIBRATION RESULT						
S. No.	Value on DUC (sec.)	Measurement on STD				Expanded uncertainty ± sec.
		Hrs	Min.	Sec.	1/100 sec.	
1	10	--	--	10	11	0.8
2	30	--	--	30	19	
3	60	--	01	00	05	
4	500	--	08	20	29	
5	990	--	16	30	15	2.1
REMARKS :						
1. Expanded uncertainty of Measurement at approximately 95 % confidence level for coverage factor k = 2 is as given above.						
2. The result reported in this certificate is valid at the time of and under the started conditions of Measurement for the particular item and instrument identified above.						
3. This certificate shall not be reproduced, except in full, unless a written permission for the publication of an approved abstract has been obtained from the Director, Apex Quality Certification Services Pvt. Ltd. Jaipur						
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CALIBRATION CERTIFICATE

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CERTIFICATE NO.: AQCS/21041001.10020		Date of Calibration : 10/04/2021		
		Recommended due date : 09/04/2022		
CUSTOMER'S DETAILS		INSTRUMENT DESCRIPTION		
M/S Dr. B LAL CLINICAL LABORATORY PVT. LTD. Rathi Hospital, Near Pandit Ji ki Kothi, Saraswati Nagar, Sanwali Road, Sikar-332001 (Rajasthan)		Nomenclature : Microscope (Magnification) Make : Dewinter Model : DEW/815 Sr. No. / Ident. No. : NA / BLAL/SIK/MICS/01 Magnification : 4X, 10X, 40X, 100X, Location : Lab Cal. Performed At : Site		
Service Request No. : 210404/01 Dated: 04/04/2021				
STANDARD EQUIPMENT USED:				
Nomenclature	Identification No.	Traceability Certificate No.	Valid up to	
Set of Gauge blocks	3079	CC247220000004457F	29/12/2022	
Digital Caliper	AQCS-VC-01	AQCS/21021801.002	17/02/2022	
ENVIRONMENTAL CONDITIONS:		PROCEDURE FOLLOWED:		
Temperature : 20 ± 2°C	Relative Humidity : 50 ± 10%	CP/MS -01		
CALIBRATION RESULT				
Size	Magnification		Standard reading mm	Magnification Measured
1mm	4X	Projected piece	4.00	4.00 X Magnification
1mm	10X	do	9.99	10.01 X Magnification
1mm	40X	do	40.00	40.00 X Magnification
1mm	100X	do	99.99	99.99 X Magnification
1mm	4X	Eye Piece	4.00	4.00 X Magnification
1mm	10X	do	10.00	10.00 X Magnification
1mm	40X	do	39.99	39.99 X Magnification
1mm	100X	do	100.00	100.00 X Magnification
REMARKS :				
1. Expanded uncertainty of Measurement at approximately 95 % confidence level for coverage factor k = 2 is ± 14.1µm.				
2. The result reported in this certificate is valid at the time of and under the started conditions of Measurement for the particular item and instrument identified above.				
3. This certificate shall not be reproduced, except in full, unless a written permission for the publication of an approved abstract has been obtained from the Director, Apex Quality Certification Services Pvt. Ltd. Jaipur.				
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CALIBRATION CERTIFICATE

Page 01 of 01

CERTIFICATE NO.: AQCS/21041001.10021		Date of Calibration : 10/04/2021		
		Recommended due date : 09/04/2022		
CUSTOMER'S DETAILS		INSTRUMENT DESCRIPTION		
M/S Dr. B LAL CLINICAL LABORATORY PVT. LTD. Rathi Hospital, Near Pandit Ji ki Kothi, Saraswati Nagar, Sanwali Road, Sikar-332001 (Rajasthan)		Nomenclature : Microscope (Magnification) Make : Labomed Model : -- Sr. No. / Ident. No. : 170397559 / BLAL/SIK/MICS/02 Magnification : 4X, 10X, 40X, 100X Location : Lab Cal. Performed At : Site		
Service Request No. : 210404/01 Dated: 04/04/2021				
STANDARD EQUIPMENT USED:				
Nomenclature	Identification No.	Traceability Certificate No.	Valid up to	
Set of Gauge blocks	3079	CC247220000004457F	29/12/2022	
Digital Caliper	AQCS-VC-01	AQCS/21021801.002	17/02/2022	
ENVIRONMENTAL CONDITIONS:		PROCEDURE FOLLOWED:		
Temperature : 20 ± 2°C Relative Humidity : 50 ± 10%		CP/MS -01		
CALIBRATION RESULT				
Size	Magnification		Standard reading mm	Magnification Measured
1mm	4X	Projected piece	3.99	4.01 X Magnification
1mm	10X	do	10.00	10.00 X Magnification
1mm	40X	do	39.99	39.99 X Magnification
1mm	100X	do	99.99	99.99 X Magnification
1mm	4X	Eye Piece	4.00	4.00 X Magnification
1mm	10X	do	9.99	9.99 X Magnification
1mm	40X	do	39.99	39.99 X Magnification
1mm	100X	do	100.00	100.00 X Magnification
REMARKS :				
1. Expanded uncertainty of Measurement at approximately 95 % confidence level for coverage factor k = 2 is ± 14.1µm.				
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