



APEX QUALITY CERTIFICATION SERVICES PVT. LTD.

Add.: 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: CC22982100001546F	DISCIPLINE Mechanical	Page 01 of 01
CUSTOMER'S DETAILS		CERTIFICATE NO.:
M/S DR. B LAL CLINICAL LABORATORY PVT. LTD. (ALW)		AQCS/21061602.001
House No. 12, Near Ambedkar Circle, Lajpat Nagar, Alwar-301001 (Rajasthan)		Date of Issue of Certificate
		18/06/2021
		Date of Calibration
		16/06/2021
		Recommended due date
		15/06/2022

Service Request No.	210612/02	INSTRUMENT DESCRIPTION	
Service Request Date	12/06/2021	Nomenclature	Micropipette
DUC Receipt Date	14/06/2021	Make	Sapsun
DUC Condition	OK	Model	NA
Cal. Performed At	Lab	Sr. No. / Ident.	71605235 / BLAL/AL/MICP/01
Procedure Followed	CP/VM-01	Range	20-200 μ l
Environmental Condition		Least Count	0.2 μ l
Temperature	25 \pm 2 $^{\circ}$ C	Rel. Hum.	50 \pm 10%
		Location	--

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	19.88	0.12	19.88	0.66
50.0	49.87	0.13	49.87	0.66
100.0	99.84	0.16	99.85	0.66
150.0	149.81	0.19	149.82	0.66
200.0	199.77	0.23	199.79	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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- 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
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CALIBRATION CERTIFICATE

ULR: CC229821000001548F	DISCIPLINE Mechanical	Page 01 of 01
CUSTOMER'S DETAILS M/S DR. B LAL CLINICAL LABORATORY PVT. LTD. (ALW) House No. 12, Near Ambedkar Circle, Lajpat Nagar, Alwar-301001 (Rajasthan)	CERTIFICATE NO.: Date of Issue of Certificate Date of Calibration Recommended due date	AQCS/21061602.003 18/06/2021 16/06/2021 15/06/2022

Service Request No.	210612/02	INSTRUMENT DESCRIPTION
Service Request Date	12/06/2021	Nomenclature Micropipette
DUC Receipt Date	14/06/2021	Make Mispa i2
DUC Condition	OK	Model NA
Cal. Performed At	Lab	Sr. No. / Ident. LW04084 / BLAL/AL/MICP/02
Procedure Followed	CP/VM-01	Range 2-20 μ l
Environmental Condition		Least Count 0.02 μ l
Temperature 25 \pm 2 $^{\circ}$ C	Rel. Hum. 50 \pm 10%	Location --

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)
10.00	9.87	0.13	9.87	0.66
15.00	14.86	0.14	14.87	0.66
20.00	19.83	0.17	19.84	0.66

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CALIBRATION CERTIFICATE

ULR: CC229821000001547F	DISCIPLINE Mechanical	Page 01 of 01
CUSTOMER'S DETAILS	CERTIFICATE NO.:	AQCS/21061602.002
M/S DR. B LAL CLINICAL LABORATORY PVT. LTD. (ALW)	Date of Issue of Certificate	18/06/2021
House No. 12, Near Ambedkar Circle, Lajpat Nagar,	Date of Calibration	16/06/2021
Alwar-301001 (Rajasthan)	Recommended due date	15/06/2022

Service Request No.	210612/02	INSTRUMENT DESCRIPTION
Service Request Date	12/06/2021	Nomenclature Micropipette
DUC Receipt Date	14/06/2021	Make Mispa i2
DUC Condition	OK	Model NA
Cal. Performed At	Lab	Sr. No. / Ident. YN4A007556 / BLAL/AL/MICP/03
Procedure Followed	CP/VM-01	Range 20-200 μ l
Environmental Condition		Least Count 0.2 μ l
Temperature 25 \pm 2 $^{\circ}$ C	Rel. Hum. 50 \pm 10%	Location --

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	19.72	0.28	19.72	0.66
50.0	49.70	0.30	49.71	0.66
100.0	99.70	0.30	99.71	0.66
150.0	149.67	0.33	149.68	0.66
200.0	199.63	0.37	199.64	0.66

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CALIBRATION CERTIFICATE

ULR: CC229821000001549F	DISCIPLINE Mechanical	Page 01 of 01
CUSTOMER'S DETAILS M/S DR. B LAL CLINICAL LABORATORY PVT. LTD. (ALW) House No. 12, Near Ambedkar Circle, Lajpat Nagar, Alwar-301001 (Rajasthan)	CERTIFICATE NO.: Date of Issue of Certificate Date of Calibration Recommended due date	AQCS/21061602.004 18/06/2021 16/06/2021 15/06/2022

Service Request No.	210612/02	INSTRUMENT DESCRIPTION
Service Request Date	12/06/2021	Nomenclature Micropipette
DUC Receipt Date	14/06/2021	Make Thermo Scientific
DUC Condition	OK	Model NA
Cal. Performed At	Lab	Sr. No. / Ident. QW06861 / BLAL/AL/MICP/04
Procedure Followed	CP/VM-01	Range 100-1000 μ l
Environmental Condition		Least Count 1 μ l
Temperature 25 \pm 2 $^{\circ}$ C	Rel. Hum. 50 \pm 10%	Location --

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	99.79	0.21	99.80	0.66
250	249.77	0.23	249.79	0.66
500	499.76	0.24	499.80	0.66
750	749.71	0.29	749.76	0.66
1000	999.69	0.31	999.76	0.66

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CALIBRATION CERTIFICATE

ULR: CC229821000001550F	DISCIPLINE Mechanical	Page 01 of 01
CUSTOMER'S DETAILS	CERTIFICATE NO.:	AQCS/21061602.005
M/S DR. B LAL CLINICAL LABORATORY PVT. LTD. (ALW)	Date of Issue of Certificate	18/06/2021
House No. 12, Near Ambedkar Circle, Lajpat Nagar, Alwar-301001 (Rajasthan)	Date of Calibration	16/06/2021
	Recommended due date	15/06/2022

Service Request No.	210612/02	INSTRUMENT DESCRIPTION	
Service Request Date	12/06/2021	Nomenclature	Micropipette
DUC Receipt Date	14/06/2021	Make	Thermo Scientific
DUC Condition	OK	Model	NA
Cal. Performed At	Lab	Sr. No. / Ident.	OW12612 / BLAL/AL/MICP/06
Procedure Followed	CP/VM-01	Range	5-50 μ l
Environmental Condition		Least Count	0.1 μ l
Temperature 25 \pm 2 $^{\circ}$ C	Rel. Hum. 50 \pm 10%	Location	--

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	10.18	-0.18	10.18	0.66
20.0	20.23	-0.23	20.23	0.66
30.0	30.24	-0.24	30.24	0.66
40.0	40.31	-0.31	40.32	0.66
50.0	50.35	-0.35	50.35	0.66

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ULR: CC22982100001551F	DISCIPLINE Mechanical	Page 01 of 01
CUSTOMER'S DETAILS M/S DR. B LAL CLINICAL LABORATORY PVT. LTD. (ALW) House No. 12, Near Ambedkar Circle, Lajpat Nagar, Alwar-301001 (Rajasthan)	CERTIFICATE NO.: Date of Issue of Certificate Date of Calibration Recommended due date	AQCS/21061602.006 18/06/2021 16/06/2021 15/06/2022

Service Request No.	210612/02	INSTRUMENT DESCRIPTION
Service Request Date	12/06/2021	Nomenclature Micropipette
DUC Receipt Date	14/06/2021	Make Thermo Scientific
DUC Condition	OK	Model F3
Cal. Performed At	Lab	Sr. No. / Ident. QW06878 / BLAL/AL/MICP/07
Procedure Followed	CP/VM-01	Range 100-1000 μ l
Environmental Condition		Least Count 1 μ l
Temperature 25 \pm 2 $^{\circ}$ C	Rel. Hum. 50 \pm 10%	Location --

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	99.86	0.14	99.87	0.66
250	249.85	0.15	249.86	0.66
500	499.83	0.17	499.86	0.66
750	749.78	0.22	749.84	0.66
1000	999.73	0.27	999.80	0.66

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CALIBRATION CERTIFICATE

		Page 01 of 01
CUSTOMER'S DETAILS		CERTIFICATE NO.:
M/s DR. B LAL CLINICAL LABORATORY PVT. LTD. (ALW)		AQCS/21061602.10008
House No. 12, Near Ambedkar Circle, Lajpat Nagar,		Date of Issue of Certificate
Alwar - 301001 (Rajasthan)		18-06-2021
		Date of Calibration
		16-06-2021
		Recommended due date
		15-06-2022

Service Request No.		210612/02		INSTRUMENT DESCRIPTION	
Service Request Date	12-06-2021	Nomenclature	Micropipette		
DUC Receipt Date	14-06-2021	Make	Thermo scientific		
DUC Condition	OK	Model	F3		
Cal. Performed At	Lab	Sr. No. / Ident. No.	NW05378 / BLAL/AL/MICP/09		
Procedure Followed	CP/VM-01	Range	1-10	µl	
Environmental Condition		Least Count	0.02	µl	
Temperature	25±2°C	Location	--		
Rel. Hum.	50±10%				

STANDARD EQUIPMENT USED:

Nomenclature	Range	Uncertainty	Identification No.	Traceability Cert. No.	Valid up to
Weighing Balance	0 to 220 g	0.00002 & 0.0002 g	556300	TC/6891/2020	07-12-2021

CALIBRATION RESULT

DUC Value (µl)	Observed Value on Standard (µl)	Error (µl)	Average Value at 27°C (µl)	Expanded Uncertainty ± (µl)
1.00	0.99	0.01	0.99	0.30
2.50	1.47	0.03	1.47	0.58
5.00	4.96	0.04	4.96	0.66
7.50	7.45	0.05	7.45	0.66
10.00	9.93	0.07	9.93	0.66

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NABL ACCREDITED LAB

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CALIBRATION CERTIFICATE

ULR: CC22982100001552F	DISCIPLINE Mechanical	Page 01 of 01
CUSTOMER'S DETAILS M/S DR. B LAL CLINICAL LABORATORY PVT. LTD. (ALW) House No. 12, Near Ambedkar Circle, Lajpat Nagar, Alwar-301001 (Rajasthan)	CERTIFICATE NO.: Date of Issue of Certificate Date of Calibration Recommended due date	AQCS/21061602.007 18/06/2021 16/06/2021 15/06/2022

Service Request No.	210612/02	INSTRUMENT DESCRIPTION	
Service Request Date	12/06/2021	Nomenclature	Micropipette
DUC Receipt Date	14/06/2021	Make	Erba
DUC Condition	OK	Model	NA
Cal. Performed At	Lab	Sr. No. / Ident.	OH514550 / BLAL/AL/MICP/10
Procedure Followed	CP/VM-01	Range	100-1000 μ l
Environmental Condition		Least Count	1 μ l
Temperature	25 \pm 2 $^{\circ}$ C	Location	--
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)
100.0	100.23	-0.23	100.24	0.66
250.0	250.25	-0.25	250.26	0.66
500.0	500.27	-0.27	500.31	0.66
750.0	750.31	-0.31	750.37	0.66
1000.0	1000.41	-0.41	1000.48	0.66

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