

Add.: 161, Kasturba Nagar, Nirman Nagar, Jaipur-302 019 Ph.: 0141-4036776, 9414079483, 9636293333

Email: apex.qcs@gmail.com



CALIBRATION CERTIFICATE

Page 01 of 01

CERTIFICATE NO.:AQCS/21061401.10015	Recommended due date : 13/06/2021			
CUSTOMER'S DETAILS	INSTRUMENT DESCRIPTION			
M/s DR. B LAL CLINICAL LABORATORY PVT. LTD.	Nomenclature : Centrifuge Machine			
(ALW)	Make / Model : Remi /R-303			
House No. 12, Near Ambedkar Circle, Lajpat Nagar,	Sr. No./Ident. No. : ZEFN-20008 /BLAL/AL/CFG/03 Range : 0-3800 RPM			
Alwar - 301001 (Rajasthan)	Range : 0-3800 RPM Least Count : NA			
Service Request No. : 2106112/02 Dated: 12/06/2021	Location : No Cal. Performed At : Site			

STANDARD EQUIPMENT USED:

STANDARD EQUIPMENT OSED.							
Nomenclature Identification No.			-	raceabi	lity Certificate No.	Valid up to	
Digital Tachometer	\$999205			NCL/B/2021/34/01		25-02-2022	
Digital Facilities							
ENVIRONMENTAL CONDITIONS:					PROCEDURE FOLLO	WED:	
	Relative Humidity	:	50± 10	%	CP/RM-01		

CALIBRATION RESULT

S. No.	Set Knob on DUC	Measured Value on Standard RPM
1	1	1120
2	2	1920
3	3	2690
4	4	3170
5	5	3720

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.
- 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

MMayon

(V. B. Mathew)

Approved by



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Cert. No.: CC-2298

CALIBRATION CERTIFICATE

ULR: CC229821000001534F	DISCIPLINE Mechanical	Page 01 of 01
CUSTOMER'S DETAILS	CERTIFICATE NO.:	AQCS/21061401.002
M/S DR. B LAL CLINICAL LABORATORY PVT. LTD. (ALW) House No. 12, Near Ambedkar Circle, Lajpat Nagar,	Date of Issue of Certificate Date of Calibration	17/06/2021
Alwar-301001 (Rajasthan)	Recommended due date	14/06/2021 13/06/2022

Service Request No		210612/02		INSTRUMENT DESCR	RIPTION	
Service Request Date DUC Receipt Date DUC Condition	te	12/06/2021 14/06/2021 Ok		Nomenclature Make Model	Centrifuge Machine Remi R-8C PLUS	
Cal. Performed At Procedure Followed Environmental Cor		Site CP/RM/01		Sr. No. / Ident. No. Range Least Count	ZEHN-26433 / BLAL 0-6000 10	/AL/CFG/02 RPM RPM
Temperature	30±10°C	Rel. Hum.	50±10%	Location		IZETAL

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
799.4	800	0.6	2.37
1499	1500	1	2.37
2598	2600	2	2.37
3998	4000	2	1.04
5987	5990	3	1.04

REMARKS

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4. Format Number.: F-06/00

Calibrated by

(V. B. Mathew)

Approved by

(R. R. Yadav)

Quality Manager



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Cert. No.: CC-2298

CALIBRATION CERTIFICATE

House No. 12, Near Ambedkar Circle, Lajpat Nagar, Alwar-301001 (Rajasthan) Date of Calibration Recommended due date 13/06/2022	M/S DR. B LAL CLINICAL LABORATORY PVT. LTD. (ALW) House No. 12, Near Ambedkar Circle, Lajpat Nagar,	DISCIPLINE Mechanical CERTIFICATE NO.: Date of Issue of Certificate Date of Calibration Recommended due date	Page 01 of 01 AQCS/21061401.001 17/06/2021 14/06/2021 13/06/2022
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INSTRUMENT DESCRIPTION 210612/02 Service Request No. Centrifuge Machine Nomenclature 12/06/2021 Service Request Date Remi Make 14/06/2021 DUC Receipt Date R-8C BL Model Ok **DUC Condition** ZCGN-20563 / BLAL/AL/CFG/01 Sr. No. / Ident. No. Site Cal. Performed At 0-6000 **RPM** CP/RM/01 Range Procedure Followed **RPM** Least Count 10 **Environmental Condition**

Temperature

30±10°C Rel. Hum.

50±10% |Location

STANDARD EQUIPMENT USED:

Nomenclature	Range	Uncertainty (±)	Identification No.	Traceability Cert No.	Valid up to
	10 to 99,999	5 to 26	S999205	NCL/B/2021/34/01	25-02-2022
Digital Tachometer	10 to 55,555				

CALIBRATION RESULT

Measured Value of RPM on Std.	Measured Value of RPM on DUC	Error in RPM	Expanded Uncertainty (± % of rdg.) in RPM
710.3	710	-0.3	2.37
1251	1250	-1	2.37
2551	2550	-1	2.37
3582	3580	-2	1.04
6002	6000	-2	1.04
6002	3000	_	*

REMARKS:

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CALIBRATION CERTIFICATE

		Page 01 of 01
CUSTOMER'S DETAILS	CERTIFICATE NO.:	AQCS/21061602.10008
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 N	No. 210612/02		INSTRUMENT DESCRIPTION			
Service Request [Date	12-06-2021		Nomenclature	Micropipet	te
DUC Receipt Date	14-06-2021		Make	Thermo scientific		
DUC Condition		OK		Model	F3	
Cal. Performed A	t	Lab		Sr. No. / Ident. No.	NW05378	/ BLAL/AL/MICP/09
Procedure Follow	red .	CP/VM-01		Range	1-10	μl
Environmental Condition		Least Count	0.02	μl		
Temperature	25±2° C	Rel. Hum.	50±10%	Location		

STANDARD EQUIPMENT USED:

Nomenclature	Range	Uncertainty	Identification No.	Traceability Cert. No.	Valid up to	
Weighing	0 to 220 g	0.00002 &	EE6300	TC/6901/2020	07 12 2021	
Balance	Balance 0 to 220 g	0.0002 g	556300	TC/6891/2020	07-12-2021	

CALIBRATION RESULT

DUC Value (μl)	Observed Value on Standard (µl)	Error (μΙ)	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

REMARKS:

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CATION

4. 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.

5. Format Number.: F-06/00

Calibrated by

(V. B. Mathew)

Approved by

(R. R. Yadav)

Quality Manager



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Cert. No.: CC-2298

CALIBRATION CERTIFICATE

ULR: CC229821000001551F	DISCIPLINE Mechanical	Page 01 of 01
CUSTOMER'S DETAILS	CERTIFICATE NO.:	AQCS/21061602.006
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	ο.	210612/02		INSTRUMENT DESCRIPTION			
Service Request Da	ate	12/06/2021		Nomenclature	Micropipette		
DUC Receipt Date		14/06/2021		Make	Thermo Scientif	ic	
DUC Condition		ОК		Model	F3		
Cal. Performed At Lab			Sr. No. / Ident.	QW06878 / BLAL/AL/MICP/07			
Procedure Followe	d	CP/VM-01		Range	100-1000	μΙ	
Environmental Cor	ndition			Least Count	1	μΙ	
Temperature	25±2°C	Rel. Hum.	50±10%	Location			

STANDARD EQUIPMENT USED:

Nomenclature	Range	Uncertainty	Identification No.	Traceability Cert. No.	Valid up to
Weighing Balance	0 to 220 g	0.00003 &	556300	TC/6901/2020	07-12- 2021
		0.0004 g	556300	TC/6891/2020	

CALIBRATION RESULT

DUC Value (μl)	Observed Value on Standard (µl)	Error (μl)	Average Value at 27°C (μΙ)	Expanded Uncertainty ± (µI)
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

REMARKS:

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(V. B. Mathew)

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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,	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	Thermo Scient	ific	
DUC Condition		OK		Model	NA		
Cal. Performed At		Lab		Sr. No. / Ident.	OW12612 / BL	AL/AL/MICP/06	
Procedure Followed		CP/VM-01		Range	5-50	μl	
Environmental Condition		Least Count	0.1	μl			
Temperature	25±2°C	Rel. Hum.	50±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 (μl)	Observed Value on Standard (µl)	Error (μl)	Average Value at 27°C (μΙ)	Expanded Uncertainty ± (µI)
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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Cert. No.: CC-2298

CALIBRATION CERTIFICATE

ULR: CC229821000001549F	DISCIPLINE Mechanical	Page 01 of 01
CUSTOMER'S DETAILS	CERTIFICATE NO.:	AQCS/21061602.004
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 D	ESCRIPTION		
Service Request Da	te	12/06/2021		Nomenclature	Micropipette		
DUC Receipt Date		14/06/2021		Make	Thermo Scienti	fic	
DUC Condition		ОК		Model	NA		
Cal. Performed At		Lab		Sr. No. / Ident.	QW06861 / BLA	AL/AL/MICP/04	
Procedure Followed	d	CP/VM-01		Range	100-1000	μΙ	
Environmental Con	ndition			Least Count	1	μΙ	
Temperature	25±2°C	Rel. Hum.	50±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 (μl)	Observed Value on Standard	Error (µl)	Average Value at 27°C (μl)	Expanded Uncertainty ± (µI)
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

REMARKS:

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Cert. No.: CC-2298

CALIBRATION CERTIFICATE

ULR: CC229821000001546F	DISCIPLINE Mechanical	Page 01 of 01
CUSTOMER'S DETAILS	CERTIFICATE NO.:	AQCS/21061602.001
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	Sapsun	
DUC Condition		OK		Model	NA	
Cal. Performed At		Lab		Sr. No. / Ident.	71605235 / BLAL/AL/MICP/01	
Procedure Followed		CP/VM-01	CP/VM-01		20-200	μl
Environmental Condition				Least Count	0.2	μΙ
Temperature	25±2°C	Rel. Hum.	50±10%	Location		

STANDARD EQUIPMENT USED:

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

CALIBRATION RESULT

DUC Value (μl)	Observed Value on Standard	Error (μΙ)	Average Value at 27°C (μΙ)	Expanded Uncertainty ± (µI)
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

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