



Bharti Automation Private Limited

ACCREDITED BY NABL (A Constituent Board of QCI, Deptt. of Industrial Policy & Promotion. Govt. of India)

ISO IEC 17025:2017-ACCREDITED LABORATORY



Calibration Certificate

ULR No.:	CC306824000011497F		
Certificate No.:	BA/2K24/424/001 (M&S)	Field:	Mechanical-Speed
SRF No.:	244248-424	Date of Receipt:	10/07/2024
SRF Date:	28/07/2024	Date of Calibration:	10/07/2024
Company Name & Address	M/S. DR. BLAL CLINICAL LABORATORY PVT. LTD RATHI HOSPITAL, NEAR PANDITJI KI KOTHI, SANWALI ROAD, SARASWATI NAGAR, SIKAR	Recommended Due Date.:	09/07/2025
		(As per agreed by customer)	
		Certificate Issue Date:	12/07/2024

DUC*Details

Instrument Name:	CENTRIFUGE	Instrument Sr. No.:	ZEAN-00266
Make:	REMI	Instrument Id No.:	BLAL/SIK/CFG/01
Model No.:	R-8C-	Location:	LAB
Range	1 to 5250 RPM	DUC*Condition:	OK
Readability	1 RPM	Calibration Performance:	At Site

Standard Equipment Used (Traceable to National Standard)

Sr. No	Instrument Name	Make	Sr. No	Cert. No.	Cal. By	Calibration Due Date
1.	Digital- Tachometer Meter Variable source	MAXTECH	NA.	AACPL/08079F	AACPL	02/11/2024

Environment Condition	Temperature	Humidity	Calibration Procedure No.
	25±2 °C	65-70 %RH	BA/WI/316

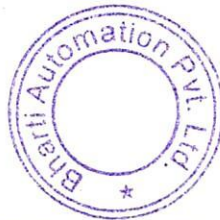
CALIBRATION RESULT:


Sr. No.	Nominal Value (DUC*) RPM	Standard Value (RPM)	Error ± (RPM)	Deviation in %	Uncertainty ± (%)
1	100	99.8	0.2	0.2	5.2
2	500	499.5	0.5	0.1	5.2
3	1000	998.6	1.4	0.1	5.2
4	3000	2996	4	0.1	5.2
5	5000	4989	11	0.2	5.2

Note: DUC*: Device Under Calibration

The reported Uncertainty is at coverage factor k=2 which corresponds to a coverage probability of approximately 95 % for normal distribution.

Calibrated By: 
Rajesh Kumar
Calibration Engineer



Reviewed/Approved By : 
Sanjay Sharma
Technical Manager

- Note.
1. This Certificate only to the particular instrument submitted for calibration.
 2. This Calibration Result reported in this certificate Valid at the time of and under the stated condition of measurement.
 3. This particular certificate cannot be reproduce except in full written, without prior permission of BAPL.

Format No.: BA/CC/01, Rev no.-01, Rev.17/11/2022

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---End of Certificate---

Bharti Autotmation Pvt. Ltd.

Plot No-354, Sec-7, IMT Manesar, Gurgaon (Hr.)-122051
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Calibration Certificate

ULR No.:	CC306824000011498F		
Certificate No.:	BA/2K24/424/002 (M&S)	Field:	Mechanical-Speed
SRF No.:	244248-424	Date of Receipt:	10/07/2024
SRF Date:	28/07/2024	Date of Calibration:	10/07/2024
Company Name & Address	M/S. DR. BLAL CLINICAL LABORATORY PVT. LTD RATHI HOSPITAL, NEAR PANDITJI KI KOTHI, SANWALI ROAD, SARASWATI NAGAR, SIKAR	Recommended Due Date.:	09/07/2025
		(As per agreed by customer)	
		Certificate Issue Date:	12/07/2024

DUC*Details

Instrument Name:	CENTRIFUGE	Instrument Sr. No.:	L-149
Make:	REMI	Instrument Id No.:	BLAL/SIK/CFG/02
Model No.:	R-8C-	Location:	LAB
Range	1 to 5250 RPM	DUC*Condition:	OK
Readability	1 RPM	Calibration Performance:	At Site

Standard Equipment Used (Traceable to National Standard)

Sr. No	Instrument Name	Make	Sr. No	Cert. No.	Cal. By	Calibration Due Date
1.	Digital- Tachometer Meter Variable source	MAXTECH	NA.	AACPL/08079F	AACPL	02/11/2024


Environment Condition	Temperature	Humidity	Calibration Procedure No.
	25±2 °C	65-70 %RH	BA/WI/316

CALIBRATION RESULT:


Sr. No.	Nominal Value (DUC*) RPM	Standard Value (RPM)	Error ± (RPM)	Deviation in %	Uncertainty ± (%)
1	100	99.1	0.9	0.9	5.2
2	500	498.6	1.4	0.3	5.2
3	1000	997.6	2.4	0.2	5.2
4	3000	2985	15	0.5	5.2
5	5000	4971	29	0.6	5.2

Note: DUC*: Device Under Calibration

The reported Uncertainty is at coverage factor k=2 which corresponds to a coverage probability of approximately 95 % for normal distribution.

Calibrated By: 
Rajesh Kumar
Calibration Engineer



Reviewed/Approved By : 
Sanjay Sharma
Technical Manager

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Calibration Certificate

ULR No.:	CC306824000011499F		
Certificate No.:	BA/2K24/424/003 (T)	Field:	Thermal
SRF No.:	244248-424	Date of Receipt:	10/07/2024
SRF Date:	28/07/2024	Date of Calibration:	10/07/2024
Company Name & Address	M/S. DR. BLAL CLINICAL LABORATORY PVT. LTD RATHI HOSPITAL, NEAR PANDITJI KI KOTHI, SANWALI ROAD, SARASWATI NAGAR, SIKAR	Recommended Due Date.:	09/07/2025
		(As per agreed by customer)	
		Certificate Issue Date:	12/07/2024

DUC*Details

Instrument Name:	INCUBATOR	Instrument Sr. No.:	NA.
Make:	NA.	Instrument Id No.:	BLAL/SIK/NIC/01
Model No.:	NA.	Location:	LAB
Range	0 to 120 °C	DUC*Condition:	OK
Readability	0.1 °C	Calibration Performance:	At Site

Standard Equipment Used (Traceable to National Standard)

Sr. No	Instrument Name	Make	Sr. No	Cert. No.	Cal. By	Calibration Due Date
1.	4 Wire RTD Sensor With Indicator	RTD- Thermo-Electric Indicator- Yudian	SF1001-740/19L653012	30056928	Belz	26/07/2024

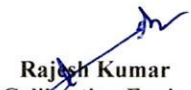
Environment Condition	Temperature	Humidity	Calibration Procedure No.
	(25±2) °C	(40-60)%RH	BAPL/WI/113

CALIBRATION RESULT:

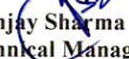
Sr.No.	Standard Value (°C)	Nominal Value (DUC*) (°C)	± Error (°C)	Expanded Uncertainty ± (°C)
1	19.98	20.0	0.02	0.67
2	39.97	40.0	0.03	0.67
3	79.96	80.0	0.04	0.67
4	99.94	100.0	0.06	0.67
5	119.92	120.0	0.08	0.67

Note: DUC*: Device Under Calibration

The reported Uncertainty is at coverage factor k=2 which corresponds to a coverage probability of approximately 95 % for normal distribution.

Calibrated By:  Rajesh Kumar
Calibration Engineer



Reviewed/Approved By :  Sanjay Sharma
Technical Manager

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Calibration Certificate

ULR No.:	CC306824000011500F		
Certificate No.:	BA/2K24/424/004 (T)	Field:	Thermal
SRF No.:	244248-424	Date of Receipt:	10/07/2024
SRF Date:	28/07/2024	Date of Calibration:	10/07/2024
Company Name & Address	M/S. DR. BLAL CLINICAL LABORATORY PVT. LTD RATHI HOSPITAL, NEAR PANDITJI KI KOTHI, SANWALI ROAD, SARASWATI NAGAR, SIKAR	Recommended Due Date.:	09/07/2025
		(As per agreed by customer)	
		Certificate Issue Date:	12/07/2024

DUC*Details

Instrument Name:	OVEN	Instrument Sr. No.:	NA.
Make:	NA.	Instrument Id No.:	BLAL/SIK/OVEN/01
Model No.:	NA.	Location:	LAB
Range	0 to 300 °C	DUC*Condition:	OK
Readability	1 °C	Calibration Performance:	At Site

Standard Equipment Used (Traceable to National Standard)

Sr. No	Instrument Name	Make	Sr. No	Cert. No.	Cal. By	Calibration Due Date
1.	4 Wire RTD Sensor With Indicator	RTD- Thermo-Electric Indicator- Yudian	SF1001-740/19L653012	30056928	Belz	26/07/2024


Environment Condition	Temperature	Humidity	Calibration Procedure No.
	(25±2) °C	(40-60) %RH	BAPL/WI/113

CALIBRATION RESULT:

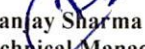
Sr.No.	Standard Value (°C)	Nominal Value (DUC*) (°C)	± Error (°C)	Expanded Uncertainty ± (°C)
1	49.99	50	0.01	0.67
2	99.98	100	0.02	0.67
3	149.99	150	0.01	0.67
4	199.97	200	0.03	0.67
5	249.96	250	0.04	0.67

Note: DUC*: Device Under Calibration

The reported Uncertainty is at coverage factor k=2 which corresponds to a coverage probability of approximately 95 % for normal distribution.

Calibrated By: 
Rajesh Kumar
Calibration Engineer



Reviewed/Approved By : 
Sanjay Sharma
Technical Manager

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Bharti Automation Pvt. Ltd.

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Calibration Certificate

ULR No.:	CC306824000011501F		
Certificate No.:	BA/2K24/424/005 (M&MV)	Field:	Thermal
SRF No.:	244248-424	Date of Receipt:	10/07/2024
SRF Date:	28/07/2024	Date of Calibration:	10/07/2024
Company Name & Address	M/S. DR. BLAL CLINICAL LABORATORY PVT. LTD RATHI HOSPITAL, NEAR PANDITJI KI KOTHI, SANWALI ROAD, SARASWATI NAGAR, SIKAR	Recommended Due Date.:	09/07/2025
		(As per agreed by customer)	
		Certificate Issue Date:	12/07/2024

DUC*Details

Instrument Name:	MICROPIPETTE	Instrument Sr. No.:	OB490850
Make:	P* FACT	Instrument Id No.:	BLAL/SIK/MICP/02
Model No.:	AV-600	Location:	LAB
Range	100 To 1000 µl	DUC*Condition:	OK
Readability	5 µl	Calibration Performance:	At Lab

Standard Equipment Used (Traceable to National Standard)

Sr. No.	Name	Make	Sr. No.	Cert. No.	Traceability	Validity of Calibration
01.	Dig. Weighing Balance with distilled water	WENSOR	93699	WMCL/BAL/2023-08/2599	WEIGHTRONICS	09/08/2024

Environment Condition	Temperature	Humidity	Reference Standard	Calibration Procedure No.
	24.7°C	57%RH	OIMLR-76-1	BAPL/WI/314

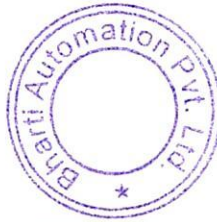
CALIBRATION RESULTS:

Sr.No.	Standard value (µl)	Nominal Value DUC* (µl)	± Error (µl)	± Measurement Uncertainty ± (µl)
1	99.9883	100	0.0117	3.8
2	299.9868	300	0.0132	3.8
3	499.9886	500	0.0114	3.8
4	799.9877	800	0.0123	3.8
5	999.9886	1000	0.0114	3.8

Note: DUC*: Device Under Calibration

The reported Uncertainty is at coverage factor k=2 which corresponds to a coverage probability of approximately 95 % for normal distribution.

Calibrated By: 
Rajesh Kumar
Calibration Engineer



Reviewed/Approved By: 
Sanjay Sharma
Technical Manager

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Calibration Certificate

ULR No.:	CC306824000011502F		
Certificate No.:	BA/2K24/424/006 (M&MV)	Field:	Thermal
SRF No.:	244248-424	Date of Receipt:	10/07/2024
SRF Date:	28/07/2024	Date of Calibration:	10/07/2024
Company Name & Address	M/S. DR. BLAL CLINICAL LABORATORY PVT. LTD RATHI HOSPITAL, NEAR PANDITJI KI KOTHI, SANWALI ROAD, SARASWATI NAGAR, SIKAR	Recommended Due Date.:	09/07/2025
	(As per agreed by customer)	Certificate Issue Date:	12/07/2024

DUC*Details

Instrument Name:	MICROPIPETTE	Instrument Sr. No.:	MK435154
Make:	P* FACT	Instrument Id No.:	BLAL/SIK/MICP/03
Model No.:	AV-600	Location:	LAB
Range	100 To 1000 µl	DUC*Condition:	OK
Readability	5 µl	Calibration Performance:	At Lab

Standard Equipment Used (Traceable to National Standard)

Sr. No.	Name	Make	Sr. No.	Cert. No.	Traceability	Validity of Calibration
01.	Dig. Weighing Balance with distilled water	WENSOR	93699	WMCL/BAL/2023-08/2599	WEIGHTRONICS	09/08/2024

Environment Condition	Temperature	Humidity	Reference Standard	Calibration Procedure No.
	24.7°C	57%RH	OIMLR-76-1	BAPL/WI/314

CALIBRATION RESULTS:

Sr.No.	Standard value (µl)	Nominal Value DUC* (µl)	± Error (µl)	± Measurement Uncertainty ± (µl)
1	99.9859	100	0.0141	3.8
2	299.9868	300	0.0132	3.8
3	499.9859	500	0.0141	3.8
4	799.9887	800	0.0113	3.8
5	999.9857	1000	0.0143	3.8

Note: DUC*: Device Under Calibration

The reported Uncertainty is at coverage factor k=2 which corresponds to a coverage probability of approximately 95 % for normal distribution.

Calibrated By: **Rajesh Kumar**
Calibration Engineer



Reviewed/Approved By: **Sanjay Sharma**
Technical Manager

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Calibration Certificate

ULR No.:	CC306824000011503F		
Certificate No.:	BA/2K24/424/007 (T)	Field:	Thermal
SRF No.:	244248-424	Date of Receipt:	10/07/2024
SRF Date:	28/07/2024	Date of Calibration:	10/07/2024
Company Name & Address	M/S. DR. BLAL CLINICAL LABORATORY PVT. LTD RATHI HOSPITAL, NEAR PANDITJI KI KOTHI, SANWALI ROAD, SARASWATI NAGAR, SIKAR	Recommended Due Date.:	09/07/2025
		(As per agreed by customer)	
		Certificate Issue Date:	12/07/2024

DUC*Details

Instrument Name:	MULTI-THERMOMETER FITTED REFRIGERATOR 2 TO 8 °C	Instrument Sr. No.:	201612013555
Make:	R-TEK	Instrument Id No.:	BLAL/SIK/THM/01
Model No.:	RT-500	Location:	LAB
Range	0 to 300 °C	DUC*Condition:	OK
Readability	1 °C	Calibration Performance:	At Site

Standard Equipment Used (Traceable to National Standard)

Sr. No	Instrument Name	Make	Sr. No	Cert. No.	Cal. By	Calibration Due Date
1.	4 Wire RTD Sensor With Indicator With Liquid bath	RTD- Thermo-Electric Indicator- Yudian	SF1001-740/19L653012	30056928	Belz	26/07/2024

Environment Condition	Temperature	Humidity	Calibration Procedure No.
	(25±2) °C	(40-60) %RH	BAPL/WI/113

CALIBRATION RESULT:


Sr.No.	Standard Value (°C)	Nominal Value (DUC*) (°C)	± Error (°C)	Expanded Uncertainty ± (°C)
1	49.99	50	0.01	0.52
2	99.98	100	0.02	0.52
3	149.97	150	0.03	0.52
4	199.96	200	0.04	0.52
5	249.94	250	0.06	0.52

Note: DUC*: Device Under Calibration

The reported Uncertainty is at coverage factor k=2 which corresponds to a coverage probability of approximately 95 % for normal distribution.

Calibrated By: 
Rajesh Kumar
Calibration Engineer



Reviewed/Approved By : 
Sanjay Sharma
Technical Manager

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Calibration Certificate

ULR No.:	CC306824000011504F		
Certificate No.:	BA/2K24/424/008 (T)	Field:	Thermal
SRF No.:	244248-424	Date of Receipt:	10/07/2024
SRF Date:	28/07/2024	Date of Calibration:	10/07/2024
Company Name & Address	M/S. DR. BLAL CLINICAL LABORATORY PVT. LTD RATHI HOSPITAL, NEAR PANDITJI KI KOTHI, SANWALI ROAD, SARASWATI NAGAR, SIKAR	Recommended Due Date.:	09/07/2025
		(As per agreed by customer)	
		Certificate Issue Date:	12/07/2024

DUC*Details

Instrument Name:	MULTI-THERMOMETER FITTED REFRIGERATOR 2 TO 8 °C	Instrument Sr. No.:	201612010461
Make:	R-TEK	Instrument Id No.:	BLAL/SIK/THM/02
Model No.:	RT-500	Location:	LAB
Range	0 to 300 °C	DUC*Condition:	OK
Readability	1 °C	Calibration Performance:	At Site

Standard Equipment Used (Traceable to National Standard)

Sr. No	Instrument Name	Make	Sr. No	Cert. No.	Cal. By	Calibration Due Date
1.	4 Wire RTD Sensor With Indicator With Liquid bath	RTD- Thermo-Electric Indicator- Yudian	SF1001-740/19L653012	30056928	Belz	26/07/2024


Environment Condition	Temperature	Humidity	Calibration Procedure No.
	(25±2) °C	(40-60)%RH	BAPL/WI/113

CALIBRATION RESULT:


Sr.No.	Standard Value (°C)	Nominal Value (DUC*) (°C)	± Error (°C)	Expanded Uncertainty ± (°C)
1	49.97	50	0.03	0.52
2	99.96	100	0.04	0.52
3	149.95	150	0.05	0.52
4	199.94	200	0.06	0.52
5	249.92	250	0.08	0.52

Note: DUC*: Device Under Calibration

The reported Uncertainty is at coverage factor k=2 which corresponds to a coverage probability of approximately 95 % for normal distribution.

Calibrated By: 
Rajesh Kumar
Calibration Engineer



Reviewed/Approved By : 
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Technical Manager

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Calibration Certificate

ULR No.:	CC306824000011505F		
Certificate No.:	BA/2K24/424/009 (T)	Field:	Thermal
SRF No.:	244248-424	Date of Receipt:	10/07/2024
SRF Date:	28/07/2024	Date of Calibration:	10/07/2024
Company Name & Address	M/S. DR. BLAL CLINICAL LABORATORY PVT. LTD RATHI HOSPITAL, NEAR PANDITJI KI KOTHI, SANWALI ROAD, SARASWATI NAGAR, SIKAR	Recommended Due Date.:	09/07/2025
		(As per agreed by customer)	
		Certificate Issue Date:	12/07/2024

DUC*Details

Instrument Name:	MULTI-THERMOMETER FITTED DEEP FREEZER -20 °C	Instrument Sr. No.:	201612012353
Make:	R-TEK	Instrument Id No.:	BLAL/SIK/THM/02
Model No.:	RT-500	Location:	LAB
Range	0 to 300 °C	DUC*Condition:	OK
Readability	1 °C	Calibration Performance:	At Site

Standard Equipment Used (Traceable to National Standard)

Sr. No	Instrument Name	Make	Sr. No	Cert. No.	Cal. By	Calibration Due Date
1.	4 Wire RTD Sensor With Indicator With Liquid bath	RTD- Thermo-Electric Indicator- Yudian	SF1001-740/19L653012	30056928	Belz	26/07/2024

Environment Condition	Temperature	Humidity	Calibration Procedure No.
	(25±2) °C	(40-60)%RH	BAPL/WI/113

CALIBRATION RESULT:

Sr.No.	Standard Value (°C)	Nominal Value (DUC*) (°C)	± Error (°C)	Expanded Uncertainty ± (°C)
1	50.01	50	-0.01	0.52
2	99.99	100	0.01	0.52
3	149.97	150	0.03	0.52
4	199.98	200	0.02	0.52
5	249.95	250	0.05	0.52

Note: DUC*: Device Under Calibration

The reported Uncertainty is at coverage factor k=2 which corresponds to a coverage probability of approximately 95 % for normal distribution.



Calibrated By: **Rajesh Kumar**
Calibration Engineer

Reviewed/Approved By : **Sanjay Sharma**
Technical Manager

- Note.
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 2. This Calibration Result reported in this certificate Valid at the time of and under the stated condition of measurement.
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Bharti Automation Pvt. Ltd.

Plot No-354, Sec-7, IMT Manesar, Gurgaon (Hr.)-122051
Ph:-9660373737 Email:Calibration@bhartiautomation.com
web://www.bharti.ni@gmail.com



Bharti Automation Private Limited

ACCREDITED BY NABL (A Constituent Board of QCI, Deptt. of Industrial Policy & Promotion. Govt. of India)

ISO IEC 17025:2017-ACCREDITED LABORATORY



Calibration Certificate

ULR No.:	CC306824000011506F		
Certificate No.:	BA/2K24/424/010 (T)	Field:	Thermal
SRF No.:	244248-424	Date of Receipt:	10/07/2024
SRF Date:	28/07/2024	Date of Calibration:	10/07/2024
Company Name & Address	M/S. DR. BLAL CLINICAL LABORATORY PVT. LTD RATHI HOSPITAL, NEAR PANDITJI KI KOTHI, SANWALI ROAD, SARASWATI NAGAR, SIKAR	Recommended Due Date.:	09/07/2025
		(As per agreed by customer)	
		Certificate Issue Date:	12/07/2024

DUC*Detail

Instrument Name:	DIGITAL THERMO HYGROMETER	Instrument Sr. No.:	IN140109669
Make:	R-TEK	Instrument Id No.:	BLAL/SIK/THG/01
Model No.:	HTC-01	Location:	LAB
Range	0 To 50 °C / 10 To 99 % RH	DUC*Condition:	OK
Readability	0.1°C/1 % RH	Calibration Performance:	At Site

Standard Equipment Used (Traceable to National Standard)

Sr. No	Instrument Name	Make	Sr. No.	Cert. No.	Cal. By	Calibration Due Date
1.	Digital Thermo-Hygrometer With Humidity Chamber	HANNA	08357194	CCTPL/DTH/0261/01	CCTPL	17/10/2024

Environment Condition	Temperature	Humidity	Calibration Procedure No.
	25±2 °C	55-20 %RH	BAPL/WI/117

CALIBRATION RESULTS:

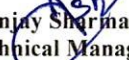
Humidity (%RH) @ 25 °C					Temperature (°C) 50% RH			
Sr.No.	Standard (%RH)	DUC* (%RH)	± ERROR	Expanded Uncertainty ± (%RH)	Standard (°C)	DUC* (°C)	± ERROR	Expanded Uncertainty DUC*(°C)
1	20.2	20	0.2	1.64	27.09	27.1	0.01	0.52
2	35.5	35	0.5	1.64	30.17	30.2	0.03	0.52
3	51.1	50	1.1	1.64	35.06	35.1	0.04	0.52
4	66.3	65	1.3	1.64	40.14	40.2	0.06	0.52
5	88.5	90	1.5	1.64	45.32	45.4	0.08	0.52

Note: DUC*: Device Under Calibration

The reported Uncertainty is at coverage factor k=2 which corresponds to a coverage probability of approximately 95 % for normal distribution.

Calibrated By:  Rajesh Kumar
Calibration Engineer



Reviewed/Approved By :  Sanjay Sharma
Technical Manager

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Ph:-9660373737 Email:Calibration@bhartiautomation.com

web://www.bharti.ni@gmail.com

Calibration Certificate

Certificate No.:	BA/2K24/424/011 (M&MV)	Field:	Mechanical-Mass-Volume
SRF No.:	244248-424	Date of Receipt:	10/07/2024
SRF Date:	28/07/2024	Date of Calibration:	10/07/2024
Company Name & Address	M/S. DR. BLAL CLINICAL LABORATORY PVT. LTD RATHI HOSPITAL, NEAR PANDITJI KI KOTHI, SANWALI ROAD, SARASWATI NAGAR, SIKAR	Recommended Due Date.:	09/07/2025
	(As per agreed by customer)	Certificate Issue Date:	12/07/2024

DUC*Details

Instrument Name:	MICROPIPETTE	Instrument Sr. No.:	MK435660
Make:	P' FACT	Instrument Id No.:	BLAL/SIK/MICP/01
Model No.:	AV-700	Location:	LAB
Range	2 To 20 μ l	DUC*Condition:	OK
Readability	0.1 μ l	Calibration Performance:	At Lab

Standard Equipment Used (Traceable to National Standard)

Sr. No.	Name	Make	Sr. No.	Cert. No.	Traceability	Validity of Calibration
01.	Dig. Weighing Balance with distilled water	WENSOR	93699	WMCL/BAL/2023-08/2599	WEIGHTRONICS	09/08/2024


Environment Condition	Temperature	Humidity	Reference Standard	Calibration Procedure No.
	24.7°C	57%RH	OIMLR-76-1	BAPL/WI/314

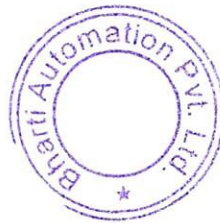
CALIBRATION RESULTS:

Sr.No.	Standard value (μ l)	Nominal Value DUC* (μ l)	\pm Error (μ l)	\pm Measurement Uncertainty \pm (μ l)
1	1.9879	2.0	0.0121	3.8
2	4.9868	5.0	0.0133	3.8
3	9.9859	10.0	0.0141	3.8
4	14.9859	15.0	0.0141	3.8
5	19.9888	20.0	0.0112	3.8

Note: DUC*: Device Under Calibration

The reported Uncertainty is at coverage factor k=2 which corresponds to a coverage probability of approximately 95 % for normal distribution.

Calibrated By: 
Rajesh Kumar
Calibration Engineer



Reviewed/Approved By: 
Sanjay Sharma
Technical Manager

- Note.**
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Bharti Auotmation Pvt. Ltd.

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web://www.bharti.ni@gmail.com

Calibration Certificate

Certificate No.:	BA/2K24/424/012 (M&MV)	Field:	Mechanical-Mass-Volume
SRF No.:	244248-424	Date of Receipt:	10/07/2024
SRF Date:	28/07/2024	Date of Calibration:	10/07/2024
Company Name & Address	M/S. DR. BLAL CLINICAL LABORATORY PVT. LTD RATHI HOSPITAL, NEAR PANDITJI KI KOTHI, SANWALI ROAD, SARASWATI NAGAR, SIKAR	Recommended Due Date.:	09/07/2025
		(As per agreed by customer)	
		Certificate Issue Date:	12/07/2024

DUC*Details

Instrument Name:	MICROPIPETTE	Instrument Sr. No.:	MK435592
Make:	P' FACT	Instrument Id No.:	BLAL/SIK/MICP/04
Model No.:	NA.	Location:	LAB
Range	5 To 50 µl	DUC*Condition:	OK
Readability	0.1 µl	Calibration Performance:	At Lab

Standard Equipment Used (Traceable to National Standard)

Sr. No.	Name	Make	Sr. No.	Cert. No.	Traceability	Validity of Calibration
01.	Dig. Weighing Balance with distilled water	WENSOR	93699	WMCL/BAL/2023-08/2599	WEIGHTRONICS	09/08/2024


Environment Condition	Temperature	Humidity	Reference Standard	Calibration Procedure No.
	24.7°C	57%RH	OIMLR-76-1	BAPL/WI/314

CALIBRATION RESULTS:

Sr.No.	Standard value (µl)	Nominal Value DUC* (µl)	± Error (µl)	± Measurement Uncertainty (µl)
1	9.9886	10.0	0.0114	3.8
2	19.9826	20.0	0.0174	3.8
3	29.9887	30.0	0.0113	3.8
4	39.9845	40.0	0.0155	3.8
5	49.9865	50.0	0.0135	3.8

Note: DUC*: Device Under Calibration

The reported Uncertainty is at coverage factor k=2 which corresponds to a coverage probability of approximately 95 % for normal distribution.

Calibrated By: 
Rajesh Kumar
Calibration Engineer



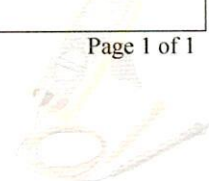
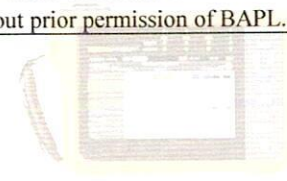
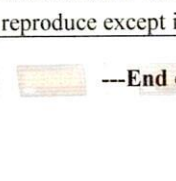
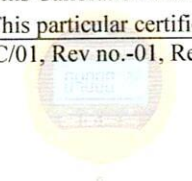
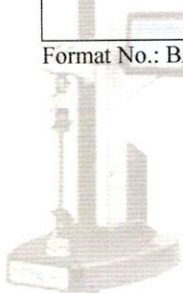
Reviewed/Approved By: 
Sanjay Sharma
Technical Manager

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---End of Certificate---



Calibration Certificate

Certificate No.:	BA/2K24/424/013 (M&MV)	Field:	Mechanical-Mass-Volume
SRF No.:	244248-424	Date of Receipt:	10/07/2024
SRF Date:	28/07/2024	Date of Calibration:	10/07/2024
Company Name & Address	M/S. DR. BLAL CLINICAL LABORATORY PVT. LTD RATHI HOSPITAL, NEAR PANDITJI KI KOTHI, SANWALI ROAD, SARASWATI NAGAR, SIKAR	Recommended Due Date.:	09/07/2025
		(As per agreed by customer)	
		Certificate Issue Date:	12/07/2024

DUC*Details

Instrument Name:	MICROPIPETTE	Instrument Sr. No.:	NA.
Make:	THERMOSCIENTIFIC	Instrument Id No.:	BLAL/SIK/MICP/05
Model No.:	NA.	Location:	LAB
Range	5 To 50 μ l	DUC*Condition:	OK
Readability	0.1 μ l	Calibration Performance:	At Lab

Standard Equipment Used (Traceable to National Standard)

Sr. No.	Name	Make	Sr. No.	Cert. No.	Traceability	Validity of Calibration
01.	Dig. Weighing Balance with distilled water	WENSOR	93699	WMCL/BAL/2023-08/2599	WEIGHTRONICS	09/08/2024

Environment Condition	Temperature	Humidity	Reference Standard	Calibration Procedure No.
	24.7°C	57%RH	OIMLR-76-1	BAPL/WI/314

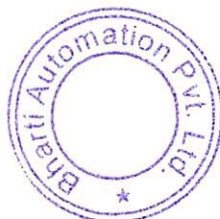
CALIBRATION RESULTS:


Sr.No.	Standard value (μ l)	Nominal Value DUC* (μ l)	\pm Error (μ l)	\pm Measurement Uncertainty (μ l)
1	9.9843	10.0	0.0157	3.8
2	19.9677	20.0	0.0323	3.8
3	29.9715	30.0	0.0285	3.8
4	39.9659	40.0	0.0341	3.8
5	49.9588	50.0	0.0412	3.8

Note: DUC*: Device Under Calibration

The reported Uncertainty is at coverage factor k=2 which corresponds to a coverage probability of approximately 95 % for normal distribution.

Calibrated By: 
Rajesh Kumar
Calibration Engineer



Reviewed/Approved By: 
Sanjay Sharma
Technical Manager

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Bharti Auotmation Pvt. Ltd.

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