

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

Email: apex.gcs@gmail.com



Cert. No.: CC-2298

CALIBRATION CERTIFICATE

| ULR: CC229821000001533F | 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 N Date of Issue of Date of Calibratic Recommended of | Certificate on | AQCS/21061401.001 17/06/2021 14/06/2021 13/06/2022 |

INSTRUMENT DESCRIPTION 210612/02 Service Request No. Centrifuge Machine 12/06/2021 Nomenclature Service Request Date Remi lMake 14/06/2021 **DUC Receipt Date** R-8C BL Model **DUC Condition** Ok ZCGN-20563 / BLAL/AL/CFG/01 Sr. No. / Ident. No. Site Cal. Performed At **RPM** 0-6000 Range CP/RM/01 Procedure Followed **RPM** 10 Least Count **Environmental Condition**

50±10% Location Rel. Hum. 30±10°C Temperature

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

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 stated conditions of Measurement for the particular item and instrument

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 Approved by

4. Format Number.: F-06/00

Calibrated by

(V. B. Mathew)



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Cert. No.: CC-2298

CALIBRATION CERTIFICATE

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

| Service Request | No. | 210612/02 | | INSTRUMENT DESCI | RIPTION | |
|---|-----------|--|--------|---|--|-----|
| Service Request DUC Receipt Dat DUC Condition Cal. Performed A | e | 12/06/2021 14/06/2021 Ok Site | | Nomenclature Make Model Sr. No. / Ident. No. | Centrifuge Mach Remi R-8C PLUS ZEHN-26433 / B | |
| Procedure Follow | red | CP/RM/01 | | Range | 0-6000 | RPM |
| Environmental C | Condition | | | Least Count | 10 | RPM |
| Temperature | 30±10°C | Rel. Hum. | 50±10% | Location | | |

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

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(V. B. Mathew)

Approved by



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Email: apex.qcs@gmail.com



ABL ACCREDITED LAB Cert. No.: CC-2298

CALIBRATION CERTIFICATE

| ULR: CC229821000001535F | DISCIPLINE | Mechanical | Page 01 of 01 |
|---|---|------------|---|
| CUSTOMER'S DETAILS M/S DR. B LAL CLINICAL LABORATORY PVT. LTD. House No. 12, Near Ambedkar Circle, Lajpat Nagar, Alwar-301001 (Rajasthan) | CERTIFICATE NO.: Date of Issue of Ce Date of Calibration Recommended du | ertificate | AQCS/21061401.003 17/06/2021 14/06/2021 13/06/2022 |

| Service Request N | | 200525/02 | | INSTRUMENT DESCRIP | PTION | |
|-------------------|----------|------------|--------|----------------------|-------------------------|--|
| Service Request D | | 25/05/2020 | | Nomenclature | Weighing Balance | |
| DUC Receipt Date | : | 14/06/2021 | | Make | Wensar | |
| DUC Condition | | Ok | | Model | PGB 600 | |
| Cal. Performed A | | Site | | Sr. No. / Ident. No. | 19C103 / BLAL/AL/WGB/01 | |
| Procedure Follow | | CP/WI-01 | | Range | 0-600 g | |
| Environmental Co | ondition | | | Least Count | 0.01 g | |
| Temperature | 30±10°C | Rel. Hum. | 50±20% | Location | | |

| STANDARD | FOLIPMENT | LISED. |
|----------|-----------|--------|

| 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 | 0.5,1 Kg | 1.2mg | 36223588 | 3926/WB/001.002 | 03-10-2021 |
| | | CAL | IRPATION DECLUT | 3320, 112, 001,002 | 03-10-2021 |

| 1 in a suite | CALIBRATION RI | .30L1 | |
|---------------------------|--------------------------------|------------|----------------------------|
| Linearity | - | | |
| Avg. Std. Value (g) | Avg. Value on DUC (g) | Error (g) | Expanded Uncertainity (±g) |
| 0.050009 | 0.05 | -0.000009 | 0.02 |
| 0.500013 | 0.49 | -0.010013 | 0.02 |
| 0.99998 | 0.99 | -0.009998 | 0.02 |
| 2.000012 | 1.99 | -0.010012 | 0.02 |
| 5.000003 | 4.99 | -0.010003 | 0.02 |
| 10.00003 | 9.99 | -0.01003 | 0.02 |
| 20.00004 | 19.99 | -0.01004 | 0.02 |
| 50.00003 | 49.98 | -0.02003 | 0.03 |
| 100.00008 | 99.98 | -0.02008 | 0.03 |
| 200.00007 | 199.96 | -0.04007 | 0.05 |
| 600.00108 | 599.94 | -0.06108 | 2.00 |
| Repeatability The repeata | ability of the balance at 600 | g is 0.01g | |
| Eccentricity The eccentr | ricity of the balance is 0.01g | | |

REMARKS:

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Approved by



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Email: apex.qcs@gmail.com



CALIBRATION CERTIFICATE

| ERTIFICATE NO.: | AQCS/21061401.004 |
|-----------------------------|---|
| ate of Issue of Certificate | 17/06/2021 |
| ate of Calibration | 14/06/2021 |
| ecommended due date | 13/06/2022 |
| a a | te of Issue of Certificate te of Calibration |

| Service Request N | 0. | | | INSTRUMENT D | ESCRIPTION | |
|----------------------|----------|-------------------------|--------|------------------|------------------|-----------------------------|
| Service Request D | ate | 210612/02 12/06/2021 | | Nomenclature | Temperatu HAO | re Indicator with sensor of |
| DUC Receipt Date | | 14/06/2021 | | Make | AICIL | |
| DUC Condition | | Ok | | Model | | |
| Cal. Performed At | | Site | | Sr. No. / Ident. | ACL-495 / B | BLAL/AL/OVEN/01 |
| Procedure Follow | ed | CP/TH-08 | | Range | 30-200 | °C |
| Environmental Co | ondition | | | Least Count | 0.1 | °C |
| Temperature | 30±10°C | Rel. Hum. | 50±10% | Location | | |

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/021/513.1.1 | 03-06-2022 |

CALIBRATION RESULT

| Value on standard (°C) | Measurement DUC (°C) | Error (°C) | Expanded Uncertainty ± (°C) |
|------------------------|----------------------|------------|-----------------------------|
| 29.75 | 29.9 | 0.15 | 1.25 |
| 49.82 | 50.0 | 0.18 | 1.25 |
| 79.59 | 79.8 | 0.21 | 1.25 |
| 149.75 | 150.0 | 0.25 | 1.25 |
| 199.72 | 200.0 | 0.28 | 1.25 |

REMARKS:

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Cert. No.: CC-2298

CALIBRATION CERTIFICATE

| ULR: CC229821000001537F | DISCIPLINE Thermal | 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/21061401.005 17/06/2021 14/06/2021 13/06/2022 |

| Service Request No |), | 210612/02 | | INSTRUMENT D | ESCRIPTION | | |
|--------------------|---------|------------|--------|------------------|------------------------|-----------------------|---------|
| Service Request Da | ite | 12/06/2021 | | Nomenclature | Temperatu Incubator | re Indicator with ser | nsor of |
| DUC Receipt Date | | 14/06/2021 | | Make | Sunlab | | |
| DUC Condition | * | Ok | | Model | UTC-421P | | |
| Cal. Performed At | | Site | | Sr. No. / Ident. | NA / BLAL/A | AL/INC/01 | |
| Procedure Follower | | CP/TH-08 | | Range | 30-110 | °C | |
| Environmental Con | dition | | | Least Count | 0.1 | °C | |
| Temperature | 30±10°C | Rel. Hum. | 50±10% | Location | | - | |

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/021/513.1.1 | 03-06-2022 |

CALIBRATION RESULT

| Value on standard (°C) | Measurement DUC (°C) | Error (°C) | Expanded Uncertainty ± (°C) |
|------------------------|----------------------|------------|--------------------------------|
| 29.97 | 30.1 | 0.13 | 1.25 |
| 39.75 | 39.9 | 0.15 | 1.25 |
| 59.91 | 60.1 | 0.19 | 1.25 |
| 79.65 | 79.9 | 0.25 | 1.25 |
| 100.63 | 100.9 | 0.27 | 1.25 |

REMARKS:

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- 2. 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.
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Cert. No.: CC-2298

CALIBRATION CERTIFICATE

| ULR: CC229821000001538F | DISCIPLINE Thermal | 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/21061401.006 17/06/2021 14/06/2021 13/06/2022 |

| Service Request N | lo. | 210612/02 | | INSTRUMENT DESCRIPTION | | | |
|-------------------|----------|------------|-----------------|------------------------|---------------------|-----------|--|
| Service Request D | | 12/06/2021 | Towns and the D | | re Indicator with s | ensor of | |
| DUC Receipt Date | ! | 14/06/2021 | | Make | NA | | |
| DUC Condition | | Ok | | Model | Al-7481 | | |
| Cal. Performed At | | Site | | Sr. No. / Ident. | NA / BLAL/A | AL/INC/02 | |
| Procedure Follow | | CP/TH-08 | | Range | 30-110 | °C | |
| Environmental Co | ondition | | | Least Count | 0.1 | °C | |
| Temperature | 30±10°C | Rel. Hum. | 50±10% | Location | | · · | |

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/021/513.1.1 | 03-06-2022 |

CALIBRATION RESULT

| Value on standard (°C) | Measurement DUC (°C) | Error (°C) | Expanded Uncertainty ± (°C) |
|------------------------|----------------------|------------|-----------------------------|
| 30.25 | 30.1 | -0.15 | 1.25 |
| 40.29 | 40.1 | -0.19 | 1.25 |
| 60.31 | 60.1 | -0.21 | 1.25 |
| 80.35 | 80.1 | -0.25 | 1.25 |
| 101.18 | 100.9 | -0.28 | 1.25 |

REMARKS:

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(V. B. Mathew)

Approved by

(R. R. Yadav)



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Cert. No.: CC-2298

CALIBRATION CERTIFICATE

| ULR: CC229821000001539F | DISCIPLINE Thermal | Page 01 of 01 |
|---|------------------------------|-------------------|
| CUSTOMER'S DETAILS | CERTIFICATE NO.: | AQCS/21061401.007 |
| M/S DR. B LAL CLINICAL LABORATORY PVT. LTD. (ALW) | Date of Issue of Certificate | 17/06/2021 |
| House No. 12, Near Ambedkar Circle, Lajpat Nagar, | Date of Calibration | 14/06/2021 |
| Alwar-301001 (Rajasthan) | Recommended due date | 13/06/2022 |
| 31.798 | | |

| Service Request No |). | 210612/02 | | INSTRUMENT D | ESCRIPTION | |
|--------------------------|---------|------------|--------|------------------|-----------------------------|--------------------------|
| Service Request Da | te | 12/06/2021 | | Nomenclature | Temperature Deep Freezer | Indicator with sensor of |
| DUC Receipt Date | | 14/06/2021 | | Make | Blue Star | |
| DUC Condition | | Ok | | Model | NA | |
| Cal. Performed At | | Site | | Sr. No. / Ident. | 19AD001649 | / BLAL/AL/DF/01 |
| Procedure Followe | d | CP/TH-08 | | Range | -20 to -10 | °C |
| Environmental Cor | dition | | | Least Count | 0.1 | °C |
| Temperature | 30±10°C | Rel. Hum. | 50±10% | Location | | |

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/021/513.1.1 | 03-06-2022 |

CALIBRATION RESULT

| Value on standard (°C) | Measurement DUC (°C) | Error (°C) | Expanded Uncertainty ± (°C) |
|------------------------|----------------------|------------|--------------------------------|
| -9.88 | -10.0 | -0.12 | 2.5 |
| -14.82 | -15.0 | -0.18 | 2.5 |
| -17.78 | -18.0 | -0.22 | 2.5 |
| -19.75 | -20.0 | -0.25 | 2.5 |

REMARKS:

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- 4. Format Number.: F-06/00

Calibrated by

(V. B. Mathew)

JAIPUR ES ST

Approved by



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Cert. No.: CC-2298

CALIBRATION CERTIFICATE

| ULR: CC229821000001540F | | |
|--|---|--------------------------|
| A CONTRACTOR OF THE PROPERTY O | DISCIPLINE Thermal | Page 01 of 01 |
| CUSTOMER'S DETAILS M/S DR. B LAL CLINICAL LABORATORY PVT. LTD. (ALW) | CERTIFICATE NO.: Date of Issue of Certificate | AQCS/21061401.008 |
| House No. 12, Near Ambedkar Circle, Lajpat Nagar, Alwar-301001 (Rajasthan) | Date of Calibration | 17/06/2021 14/06/2021 |
| Annual Sociol (Rajastrian) | Recommended due date | 13/06/2022 |

| Service Request N | Service Request No. | | 210612/02 | | INSTRUMENT DESCRIPTION | | |
|--------------------|---------------------|------------|-----------|------------------|-----------------------------|--------------------|---------|
| Service Request Da | ate | 12/06/2021 | | Nomenclature | Temperature Deep Freezei | Indicator with ser | nsor of |
| DUC Receipt Date | | 14/06/2021 | | Make | Blue Star | | |
| DUC Condition | | Ok | | Model | NA | | |
| Cal. Performed At | | Site | | Sr. No. / Ident. | | 01 / BLAL/AL/FREE | 7E /01 |
| Procedure Followe | | CP/TH-08 | | Range | -20 to -10 | °C | 201 |
| Environmental Co | ndition | | | Least Count | 0.1 | °C | |
| Temperature | 30±10°C | Rel. Hum. | 50±10% | Location | | C | |

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/021/513.1.1 | 03-06-2022 |

CALIBRATION RESULT

| Value on standard (°C) | Measurement DUC (°C) | Error (°C) | Expanded Uncertainty ± (°C) |
|------------------------|----------------------|------------|-----------------------------|
| -9.87 | -10.0 | -0.13 | 2,5 |
| -13.83 | -14.0 | -0.17 | 2.5 |
| -17.79 | -18.0 | -0.21 | |
| -19.76 | -20.0 | -0.24 | 2.5 2.5 |

REMARKS:

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- 4. Format Number.: F-06/00

Walland by

(V. B. Mathew)

JAIPUR SE

Approved by



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ABL ACCREDITED LAB Cert. No.: CC-2298

CALIBRATION CERTIFICATE

| ULR: CC229821000001541F | DISCIPLINE Thermal | Page 01 of 01 |
|---|------------------------------|-------------------|
| CUSTOMER'S DETAILS | CERTIFICATE NO.: | AQCS/21061401.009 |
| M/S DR. B LAL CLINICAL LABORATORY PVT. LTD. (ALW) | Date of Issue of Certificate | 17/06/2021 |
| House No. 12, Near Ambedkar Circle, Lajpat Nagar, | Date of Calibration | 14/06/2021 |
| Alwar-301001 (Rajasthan) | Recommended due date | 13/06/2022 |
| | | 20,00,2022 |

| Service Request N | o. | 210612/02 | | INSTRUMENT DESCRIPTION | | |
|-------------------------|---------|------------|--------|---|-----------------------|--------------------------|
| Service Request D | ate | 12/06/2021 | | Nomenclature Temperature Indicator of Autoclave | | e Indicator of Autoclave |
| DUC Receipt Date | | 14/06/2021 | | Make | Stericox | |
| DUC Condition | | Ok | | Model | NA | |
| Cal. Performed At | | Site | | Sr. No. / Ident. | t. NA/ BLAL/AL/ATC/01 | |
| Procedure Followe | ed | CP/TH-08 | | Range | 30-121 | °C |
| Environmental Co | ndition | | | Least Count | 1 | °C |
| Temperature | 30±10°C | Rel. Hum. | 50±10% | Location | | |

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/021/513.1.1 | 03-06-2022 |

CALIBRATION RESULT

| Value on standard (°C) | Measurement DUC (°C) | Error (°C) | Expanded Uncertainty ± (°C) |
|------------------------|----------------------|------------|-----------------------------|
| 28.85 | 29 | 0.15 | 1.25 |
| 49.81 | 50 | 0.19 | 1.25 |
| 75.19 | 75 | 0.21 | 1.25 |
| 89.75 | 90 | 0.25 | 1.25 |
| 120.72 | 121 | 0.28 | 1.25 |

REMARKS :

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4. Format Number.: F-06/00

Calibrated by

(V B Mathout

Approved by

(R. R. Yadav)



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Email: apex.qcs@gmail.com



ABL ACCREDITED LA Cert. No.: CC-2298

CALIBRATION CERTIFICATE

| ULR: CC229821000001541F | DISCIPLINE Thermal | Page 01 of 01 |
|---|------------------------------|-------------------|
| CUSTOMER'S DETAILS | CERTIFICATE NO.: | AQCS/21061401.009 |
| M/S DR. B LAL CLINICAL LABORATORY PVT. LTD. (ALW) | Date of Issue of Certificate | 17/06/2021 |
| House No. 12, Near Ambedkar Circle, Lajpat Nagar, | Date of Calibration | 14/06/2021 |
| Alwar-301001 (Rajasthan) | Recommended due date | 13/06/2022 |
| | | |

| Service Request No. | 210612/02 | INSTRUMENT DESCRIPTION | | |
|-------------------------|------------------|------------------------|--------------------------------------|----|
| Service Request Date | 12/06/2021 | Nomenclature | e Temperature Indicator of Autoclave | |
| DUC Receipt Date | 14/06/2021 | Make | Stericox | |
| DUC Condition | Ok | Model | NA | |
| Cal. Performed At | Site | Sr. No. / Ident. | . NA/ BLAL/AL/ATC/01 | |
| Procedure Followed | CP/TH-08 | Range | 30-121 | °C |
| Environmental Condition | | Least Count | 1 | °C |
| Temperature 30±10°C | Rel. Hum. 50±10% | Location | | |

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/021/513.1.1 | 03-06-2022 |

CALIBRATION RESULT

| Value on standard (°C) | Measurement DUC (°C) | Error (°C) | Expanded Uncertainty ± (°C) |
|------------------------|----------------------|------------|-----------------------------|
| 28.85 | 29 | 0.15 | 1.25 |
| 49.81 | 50 | 0.19 | 1.25 |
| 75.19 | 75 | 0.21 | 1.25 |
| 89.75 | 90 | 0.25 | 1.25 |
| 120.72 | 121 | 0.28 | 1.25 |

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 stated 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)



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Email: apex.qcs@gmail.com



NABL ACCREDITED LAB Cert. No.: CC-2298

CALIBRATION CERTIFICATE

| ULR: CC229821000001542F | DISCIPLINE | | |
|--|---|-------------------|---|
| CUSTOMER'S DETAILS M/S DR. B LAL CLINICAL LABORATORY PVT. LTD. (ALW) House No. 12, Near Ambedkar Circle, Lajpat Nagar, Alwar-301001 (Rajasthan) | DISCIPLINE CERTIFICATE NO. Date of Issue of C Date of Calibratio Recommended di | Certificate on | Page 01 of 01 AQCS/21061401.010 17/06/2021 14/06/2021 13/06/2022 |

Service Request No. 210612/02 INSTRUMENT DESCRIPTION Service Request Date 12/06/2021 Nomenclature Pressure Gauge on Autoclave **DUC Receipt Date** 14/06/2021 Make **DUC Condition** Stericox Ok Model NA Cal. Performed At Site Sr. No. / Ident. No. NA/ BLAL/AL/ATC/01 Procedure Followed CP/PR-02 Range 0-2.1 kg/cm² **Environmental Condition** Least Count 0.05 kg/cm² Temperature 30±10 ℃ Rel. Hum. 50±10%

STANDARD FOLLIPMENT USED:

| | | T. T | QUIPIVIENT USED: | | |
|------------------------|--------------|--|--------------------|--------------------------|-------------|
| Nomenclature | Range | Uncertainty (±) | Identification No. | Traceability Certificate | Valid up to |
| Digital Pressure Gauge | -1 to 31 bar | 0.006 to 0.030 bar | 62267 | No. C&IJ/CAL/20-12/032 | 09 12 2021 |
| | 100 | CALIBRA | TION RESULT | 50.07 Cr 12/032 | 08-12-2021 |

| Pressure | on DUC | Measured \ | /alue on Std.(bar) | Average value as | | |
|----------|--------|------------|--------------------|------------------|-------------|--------------------|
| kg/cm² | bar | Ascending | Descending | Average value on | Error (bar) | Expanded |
| 0.00 | 0.00 | 0.00 | 0.00 | Std.(bar) | | Uncertainty (±bar) |
| 0.25 | 0.25 | 0.24 | 0.21 | 0.00 | 0.00 | |
| 0.50 | 0.49 | 0.44 | | 0.22 | 0.03 | 0.06 |
| 1.00 | 0.98 | 0.44 | 0.43 | 0.44 | 0.05 | 0.06 |
| 1.50 | 1.47 | | 0.92 | 0.92 | 0.06 | 0.06 |
| 2.00 | | 1.39 | 1.39 | 1.39 | 0.08 | 0.06 |
| | 1.96 | 1.86 | 1.86 | 1.86 | 0.10 | 0.06 |
| 2.10 | 2.06 | 1.94 | 1.94 | 1.94 | 0.12 | 0.06 |

REMARKS:

- 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 stated 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)

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Approved by



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Cert. No.: CC-2298

CALIBRATION CERTIFICATE

| ULR: CC229821000001543F | DISCIPLINE Thermal | Page 01 of 01 |
|---|------------------------------|-------------------|
| CUSTOMER'S DETAILS | CERTIFICATE NO.: | AQCS/21061401.011 |
| M/S DR. B LAL CLINICAL LABORATORY PVT. LTD. (ALW) | Date of Issue of Certificate | 17/06/2021 |
| House No. 12, Near Ambedkar Circle, Lajpat Nagar, | Date of Calibration | 14/06/2021 |
| Alwar-301001 (Rajasthan) | Recommended due date | 13/06/2022 |
| | | |

| | | ,m131.1 | | | | |
|--------------------|---------|------------|--------|------------------|------------|-----------------------|
| Service Request No |). | 210612/02 | | INSTRUMENT D | | |
| Service Request Da | | 12/06/2021 | | Nomenclature | Digital Th | ermometer with sensor |
| DUC Receipt Date | | 14/06/2021 | | Make | R-tek | |
| DUC Condition | | Ok | | Model | Multi | |
| Cal. Performed At | | Site | | Sr. No. / Ident. | 2017123 | 8281 / BLAL/AL/THM/01 |
| Procedure Followe | d | CP/TH-08 | | Range | 2-8 | °C |
| Environmental Co | | • | | Least Count | 0.1 | °C |
| Temperature | 30±10°C | Rel. Hum. | 50±10% | Location | - | |

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/021/513.1.1 | 03-06-2022 |

CALIBRATION RESULT

| | CALIBRATION RES | | |
|------------------------|----------------------|-------------|------------------------|
| | | France (°C) | Expanded |
| Value on standard (°C) | Measurement DUC (°C) | Error (°C) | Uncertainty \pm (°C) |
| 1.98 | 2.1 | 0.12 | 2.5 |
| 2.75 | 2.9 | 0.15 | 2.5 |
| | 5.2 | 0.17 | 2.5 |
| 5.03 | 7.1 | 0.20 | 2.5 |
| 6.90 | 7.9 | 0.24 | 2.5 |
| 7.66 | 7.5 | 0.21 | |

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 stated conditions of Measurement for the particular item and instrument identified above.
- 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)

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NABL ACCREDITED LAB Cert. No.: CC-2298

CALIBRATION CERTIFICATE

| ULR: CC229821000001544F CUSTOMER'S DETAILS M/S DR. B LAL CLINICAL LABORATORY PVT. LTD. (ALW) House No. 12, Near Ambedkar Circle, Lajpat Nagar, | DISCIPLINE Thermal CERTIFICATE NO.: Date of Issue of Certificate Date of Calibration Recommended due date | Page 01 of 01 AQCS/21061401.012 17/06/2021 14/06/2021 13/06/2022 |
|---|---|---|
| Alwar-301001 (Rajasthan) | | |

| Service Request No. Service Request Date | | 210612/02 12/06/2021 14/06/2021 | INSTRUMENT D Nomenclature Make | Digital Thermometer with sensor R-tek |
|--|---------|---------------------------------------|--------------------------------------|--|
| DUC Receipt Date DUC Condition Cal. Performed At Procedure Followed | I | | | R-tek Multi 20171238300 / BLAL/AL/THM/02 2-8 °C 0.1 °C |
| Environmental Con Temperature | 30±10°C | Rel. Hum. | Location PMFNT USED: | |

| STANDARD | EQUIPMENT | USED: |
|----------|-----------|-------|
| | | |

| | STANDARD EQUIPMENT 3323 | | | | | | |
|----------------------------------|-------------------------|-----------------|-----------------------|------------------------------|-------------|--|--|
| Nomenclature | Range | Uncertainty (±) | Identification No. | Traceability Certificate No. | Valid up to | | |
| | | 0.4% - 0.1E °C | 11339 | TL/021/513.1.1 | 03-06-2022 | | |
| PT100, 4 wire RTD with Indicator | -80 to 200 °C | 0.1 to 0.15 °C | /16A046131 | | | | |

CALIBRATION RESULT

| Party A | CALIBRATION RES | 1 | Expanded |
|------------------------|----------------------|------------|--------------------|
| . (62) | Measurement DUC (°C) | Error (°C) | Uncertainty ± (°C) |
| Value on standard (°C) | IVICUSUI CINE | -0.13 | 2.5 |
| 2.23 | 2.1 | -0.14 | 2.5 |
| 3.24 | 3.1 | -0.15 | 2.5 |
| 5.05 | 4.9 | -0.17 | 2.5 |
| | 7.1 | -0.22 | 2.5 |
| 7.27 | 7.9 | -0.22 | |
| 8.12 | | | |
| | | | |

- 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 stated conditions of Measurement for the particular item and
- 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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Calibrated by

Approved by

(R. R. Yadav)



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ABL ACCREDITED LAB 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 | è | 12/06/2021 | | Nomenclature | Micropipette | | |
| DUC Receipt Date | | 14/06/2021 | | Make | Sapsun | | |
| DUC Condition | | ОК | | Model | NA | | |
| Cal. Performed At | | Lab | | Sr. No. / Ident. | 71605235 / BLA | ΔΙ /ΔΙ /ΜΙCΡ/Ω1 | |
| Procedure Followed | | CP/VM-01 | | Range | 20-200 | μl | |
| Environmental Cond | lition | | , | Least Count | 0.2 | μl | |
| Temperature | 25±2°C | Rel. Hum. | 50±10% | Location | | μ. | |

STANDARD EQUIPMENT USED:

| Nomenclature | Range | Uncertainty | Identification No. | Traceability Cert. No. | Valid up to |
|------------------|------------|-------------|--------------------|------------------------|-------------|
| Weighing Balance | 0 to 220 g | 0.00003 & | FF6300 | TC/6891/2020 | 07-12-2021 |
| | | 0.0004 g | 556300 | | |

CALIBRATION RESULT

| DUC Value (μl) | Observed Value on Standard (µI) | Error (μl) | 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 |

REMARKS:

- 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 stated 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. 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)

(R. R. Yadav)

Approved by



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NABL ACCREDITED LAB Cert. No.: CC-2298

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 | μΙ |
| Environmental Condi | tion | | | 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 & 0.0004 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 (μΙ) | Expanded Uncertainty ± (µl) |
|----------------|---------------------------------|------------|----------------------------|-----------------------------|
| 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 |

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 stated 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. 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)

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Approved by



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Email: apex.qcs@gmail.com



NABL ACCREDITED LAB Cert. No.: CC-2298

CALIBRATION CERTIFICATE

| ULR: CC229821000001548F | DISCIPLINE Mechanical | Page 01 of 01 |
|---|------------------------------|-------------------|
| CUSTOMER'S DETAILS | CERTIFICATE NO.: | AQCS/21061602.003 |
| 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 | e |
| DUC Receipt Date | | 14/06/2021 | | Make | Mispa i2 | |
| DUC Condition | | ОК | | Model | NA | |
| Cal. Performed At | | Lab | | Sr. No. / Ident. | LW04084 / E | BLAL/AL/MICP/02 |
| Procedure Followed | | CP/VM-01 | | Range | 2-20 | μΙ |
| Environmental Cond | lition | | | Least Count | 0.02 | μΙ |
| Temperature | 25±2°C | Rel. Hum. | 50±10% | Location | | |

STANDARD EQUIPMENT USED:

| nge Uncertainty | Identification No. | Traceability Cert. No. | Valid up to |
|-----------------|--------------------|------------------------|-------------------------------|
| 0.00003 & | 556300 | TC/6891/2020 | 07-12-2021 |
| | | 0.00003 & 556300 | 0.00003 & 556300 TC/6891/2020 |

CALIBRATION RESULT

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

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 stated 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. 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



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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 DESCRIPTION | | | |
|--------------------|-----------------------|------------|--------|------------------------------------|----------------|---------------|--|
| Service Request Da | te | 12/06/2021 | | Nomenclature | Micropipette | | |
| DUC Receipt Date | | 14/06/2021 | | Make | Thermo Scienti | ific | |
| DUC Condition | | ОК | | Model | NA | | |
| Cal. Performed At | Cal. Performed At Lab | | | Sr. No. / Ident. QW06861 / BLAL/Al | | AL/AL/MICP/04 | |
| Procedure Followed | d | CP/VM-01 | | Range | 100-1000 | μΙ | |
| Environmental Con | dition | | | 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 Relance | 0 to 220 g | 0.00003 & | 556300 | TC/6891/2020 | 07-12-2021 |
| Weighing Balance | 0 to 220 g | 0.0004 g | 330300 | 10,0031,2020 | 0, 11 1011 |

CALIBRATION RESULT

| DUC Value (μl) | Observed Value on Standard (µl) | Error (μl) | Average Value at 27°C (μΙ) | 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:

- 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 stated 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. 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)

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Approved by



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NABL ACCREDITED LAB Cert. No.: CC-2298

CALIBRATION CERTIFICATE

| SCIPLINE Mechanical | Page 01 of 01 |
|-------------------------|--|
| FICATE NO.: | AQCS/21061602.005 |
| of Issue of Certificate | 18/06/2021 |
| of Calibration | 16/06/2021 |
| mmended due date | 15/06/2022 |
| | FICATE NO.: of Issue of Certificate of Calibration |

| Service Request No. | 210612/02 | | INSTRUMENT D | ESCRIPTION | | |
|-------------------------|------------|----------|------------------|------------|-------------------|--|
| Service Request Date | 12/06/2021 | | Nomenclature | Micropipet | | |
| DUC Receipt Date | 14/06/2021 | | Make | Thermo Sci | entific | |
| 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 | μΙ | |
| Environmental Condition | , | | Least Count | 0.1 | μΙ | |
| Temperature 25±2°C | Rel. Hum. | 50±10% | Location | | | |
| Temperature 2312 C | | NDARD FO | LUDMENT LISED | | | |

STANDARD EQUIPMENT USED:

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

CALIBRATION RESULT

| | | | I | Expanded Uncertainty |
|----------------|----------------------------|------------|----------------------------|-----------------------------|
| DUC Value (μl) | Observed Value on Standard | Error (μl) | Average Value at 27°C (μl) | ± (µI) |
| DOC Value (µ1) | [(μl) | -0.18 | 10.18 | 0.66 |
| 10.0 | 10.18 | -0.23 | 20.23 | 0.66 |
| 20.0 | 20.23 | -0.24 | 30.24 | 0.66 |
| 30.0 | 30.24 | -0.31 | 40.32 | 0.66 |
| 40.0 | 40.31 | -0.35 | 50.35 | 0.66 |
| 50.0 | 50.35 | 0.55 | | |

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 stated conditions of Measurement for the particular item and instrument
- 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. 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



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Email: apex.qcs@gmail.com



NABL ACCREDITED LAB 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 | 0. | 210612/02 | | INSTRUMENT D | ESCRIPTION | | |
|--------------------|---------|------------|--------|------------------|-----------------|---------------|--|
| Service Request Da | | 12/06/2021 | | Nomenclature | Micropipette | | |
| DUC Receipt Date | | 14/06/2021 | | Make | Thermo Scientif | fic | |
| DUC Condition | | OK | | Model | F3 | | |
| Cal. Performed At | | Lab | | Sr. No. / Ident. | QW06878 / BLA | AL/AL/MICP/07 | |
| Procedure Followe | | CP/VM-01 | | Range | 100-1000 | μΙ | |
| Environmental Co | 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 |
|------------------|------------|-------------|---------------------|------------------------|-------------|
| | 0.4= 220 = | 0.00003 & | 556300 | TC/6891/2020 | 07-12-2021 |
| Weighing Balance | 0 to 220 g | 0.0004 g | 330300 10/0831/2020 | | |

CALIBRATION RESULT

| Observed Value on Standard | 5 / IV | Average Value at 27°C (ul) | Expanded Uncertainty |
|----------------------------|----------------------------|---|---|
| | Error (μι) | Average value at 27 C (μι) | ± (μl) |
| 99.86 | 0.14 | 99.87 | 0.66 |
| 249.85 | 0.15 | 249.86 | 0.66 |
| 499.83 | 0.17 | 499.86 | 0.66 |
| | 0.22 | 749.84 | 0.66 |
| 999.73 | 0.27 | 999.80 | 0.66 |
| | 249.85 499.83 749.78 | 99.86 0.14 249.85 0.15 499.83 0.17 749.78 0.22 | (μl) Prof (μi) Average value at 27 € (μi) 99.87 249.85 0.15 249.86 499.83 0.17 499.86 749.78 0.22 749.84 200.000 20 |

REMARKS:

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

Calibrated by

(V. B. Mathew)

Approved by



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Cert. No.: CC-2298

CALIBRATION CERTIFICATE

| ULR: CC229821000001552F | DISCIPLINE Mechanical | Page 01 of 01 |
|---|------------------------------|-------------------|
| CUSTOMER'S DETAILS | CERTIFICATE NO.: | AQCS/21061602.007 |
| 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 | 0. | 210612/02 | | INSTRUMENT DESCRIPTION | | | |
|--------------------|---------|------------|--------|---|--------------|---------------|--|
| Service Request Da | ate | 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 | | AL/AL/MICP/10 | |
| Procedure Followe | ed | CP/VM-01 | | Range | 100-1000 | μΙ | |
| Environmental Co | 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/6891/2020 | 07-12-2021 |
| Weighing bulance | 0 10 8 | 0.0004 g | | | |

CALIBRATION RESULT

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

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 stated 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. 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





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Email: apex.qcs@gmail.com

CALIBRATION CERTIFICATE

Page 01 of 01

: 14/06/2021

Date of Calibration CERTIFICATE NO.:AQCS/21061401.10013 Recommended due date : 13/06/2022 **INSTRUMENT DESCRIPTION CUSTOMER'S DETAILS** : Microscope (Magnification) Nomenclature M/s DR. B LAL CLINICAL LABORATORY PVT. LTD. (ALW) : Labomed Make : Vision 2000 Model House No. 12, Near Ambedkar Circle, Lajpat Nagar, Sr. No. / Ident. No. : 191118128/BLAL/AL/MICS/01 Alwar - 301001 (Rajasthan)

: 4X, 10X, 40X, 100X Magnification Location

Service Request No.: 2106112/02 Dated: 12/06/2021 Cal. Performed At : Site

STANDARD FOUIPMENT USED:

| STANDAND EQUILITIES | | | |
|-------------------------|--------------------|------------------------------|-------------|
| Nomenclature | Identification No. | Traceability Certificate No. | Valid up to |
| Set of Gauge blocks | 3079 | CC247220000004457F | 29/12/2022 |
| Digital Vernier Caliper | AQCS-VC-01 | AQCS/21021801.002 | 17/02/2022 |

PROCEDURE FOLLOWED: **ENVIRONMENTAL CONDITIONS:**

CP/MS -01 20 ± 2°C Relative Humidity 50± 10% Temperature :

CALIBRATION RESULT

| Size | Magnification | | Standard reading mm | Magnification Measured |
|------|---------------|-----------------|---------------------|------------------------|
| 1mm | 4X | Projected piece | 3.99 | 3.99X Magnification |
| 1mm | 10X | do | 9.99 | 10.00 X Magnification |
| 1mm | 40X | do | 39.99 | 39.99 X Magnification |
| 1mm | 100X | do | 100.00 | 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 | 40.00 | 40.00 X Magnification |
| 1mm | 100X | do | 99.99 | 99.99 X Magnification |

REMARKS:

- Expanded uncertainty of Measurement at approximately 95 % confidence level for coverage factor k = 2 is ± 14.1µm.
- 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.

Format Number.: F-06/00

Calibrated by

(V. B. Mathew)

Approved by

(R. R. Yadav)





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VALIDATION CERTIFICATE

Page 01 of 01

| CERTIFICATE NO.:AQCS/21061401.10014 | Date of Validation : 14/06/2021 Recommended due date : 13/06/2022 |
|--|--|
| CUSTOMER'S DETAILS | INSTRUMENT DESCRIPTION |
| M/s DR. B LAL CLINICAL LABORATORY PVT. LTD. (ALW) House No. 12, Near Ambedkar Circle, Lajpat Nagar, Alwar - 301001 (Rajasthan) | Nomenclature : Bio Safety Cabinet Make/Model : / Sr. No. : NA Ident. No. : BLAL/AL/BSC/01 Range /LC : As per results |
| Service Request No. : 2106112/02 Dated: 12/06/2021 | Location : Val. Performed At : Site |

STANDARD EQUIPMENT USED:

| Nomenclature | Identification No. | Traceability Certificate No. | Valid up to |
|-----------------------|--------------------|------------------------------|-------------|
| Vane Anemometer | 170039 | LES-CCL/FF/PT/754 | 22/03/2022 |
| Dust particle counter | 120418 | AERO/001-090421 | 08/04/2022 |
| Sound Meter | 2421898 | NCL/F/2021/07/01 | 10/06/2022 |
| Light Meter | S1023123 | NCL/D/2021/12/01 | 29/04/2022 |

ENVIRONMENTAL CONDITIONS: Temperature :25 ± 4°C RH :50 ± 10%

PROCEDURE FOLLOWED: CP/AF -01

OBSERVATIONS

| Particulars | Specified | Observed | Particulars | Specified | Observed |
|---------------------------------|----------------------------|-----------------------|----------------------|------------|-----------|
| Laminar In flow velocity | 80-110 fpm | 101 fpm | Down flow velocity | 80-110 fpm | 98 fpm |
| Florescent Light Intensity Test | 500-700 Lux | 574 Lux | Noise Level | <=60dB | 59.4 dB |
| Differential Pressure Gauge | 20mmWC Max. | 10mmWC | Cabinet leakage test | | Tested OK |
| UV light intensity | Min. 40 μW/cm ² | 42 μW/cm ² | | | |

| Dust Particle count per m ³ of air | | | | | | | |
|---|-------|-------|-------|-----|-----|------|--|
| Size | 0.3µm | 0.5μm | 1.0µm | 3µm | 5µm | 10µm | The value of particulate count is average of five time sample taken from |
| Particulate Count | 09 | 03 | 0 | 0 | 0 | 0 | air throw of HEPA Filter. |

REMARKS:

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Validated by

(V. B. Mathew)

Approved by

(R. R. Yadav)





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Email: apex.qcs@gmail.com

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 | No. | 210612/02 | | INSTRUMENT DESCRIPTION | | |
|--|--------|--------------------------------|--------|-------------------------------|-----------------------------------|-----------------|
| Service Request DUC Receipt Date DUC Condition | | 12-06-2021 14-06-2021 OK | | Nomenclature Make Model | Micropipetto Thermo scie F3 | |
| Cal. Performed A | t | Lab | | Sr. No. / Ident. No. | NW05378 / | BLAL/AL/MICP/09 |
| Procedure Follov Environmental C | | CP/VM-01 | | Range Least Count | 1-10 0.02 | μι 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 | 0 to 220 g | 0.00002 & | 556300 | TC/6891/2020 | 07-12-2021 |
| Balance | 0102206 | 0.0002 g | | , | |

CALIBRATION RESULT

| DUC Value (μl) | Observed Value on Standard (μl) | Error (µl) | Average Value at 27°C (μΙ) | 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 :

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

Calibrated by

(V. B. Mathew)

Approved by





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Email: apex.qcs@gmail.com

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 No | D. | 210612/02 | | INSTRUMENT DESCRIPTION | | | |
|------------------------------------|--------|--------------------------|--------|-------------------------------|----------------------------------|-------------------|--|
| Service Request Date | ate | 12-06-2021 14-06-2021 | | Nomenclature Make Model | Micropipeto Thermo scie F3 | | |
| DUC Condition Cal. Performed At | | OK Lab | | Sr. No. / Ident. No. | | / BLAL/AL/MICP/09 | |
| Procedure Followe Environmental Co | | CP/VM-01 | | Range Least Count | 1-10 0.02 | μl 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 & | 556300 | TC/6891/2020 | 07-12-2021 | |
| Balance | 0 to 220 g | 0.0002 g | 330300 | 10,0831,2020 | 07 12 2021 | |

CALIBRATION RESULT

| DUC Value (μl) | Observed Value on Standard (μl) | Error (μl) | Average Value at 27°C (μΙ) | 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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5. Format Number.: F-06/00

Calibrated by

(V. B. Mathew)

Approved by

(R. R. Yadav





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Email: apex.qcs@gmail.com

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 No. | 210612/02 | | INSTRUMENT DESCRIPTION | | |
|-------------------------|------------|--------|------------------------|-------------|-----------------|
| Service Request Date | 12-06-2021 | | Nomenclature | Micropipett | e |
| DUC Receipt Date | 14-06-2021 | | Make | Thermo scie | ntific |
| DUC Condition | ОК | | Model | F3 | |
| Cal. Performed At | Lab | | Sr. No. / Ident. No. | NW05378 / | BLAL/AL/MICP/09 |
| Procedure Followed | CP/VM-01 | | Range | 1-10 | μΙ |
| Environmental Condition | | | Least Count | 0.02 | 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 | 0 to 220 g | 0.00002 & | 556300 | TC/6891/2020 | 07-12-2021 |
| Balance | 0 to 220 g | 0.0002 g | 330300 | 10/0831/2020 | 07-12-2021 |

CALIBRATION RESULT

| DUC Value (μl) | Observed Value on Standard (µl) | Error (μΙ) | Average Value at 27°C (μl) | Expanded Uncertainty ± (μΙ) |
|----------------|------------------------------------|------------|----------------------------|-----------------------------|
| 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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5. Format Number.: F-06/00

Calibrated by

(V. B. Mathew)

Approved by

(R. R. Yadav)