

Date : 07-Jul-2023

Mamatha Medical Academy

Dear Sir/ Madam ,

As desired by you please find herewith the Calibration report

1. Year of manufacturing : 2022 Sr No. **A4-110917**
2. Range of the instrument : Optical density Linear form 0-3 A
3. Precision & Accuracy study on AQ 400i
4. Date of calibration : **07-Jul-2023**
5. Next due date on or before :-**06-Jul-2024**

Instrument Check :-

	Ideal	Actual
Pressure	0.45 bar	0.44 bar
Lamp Voltage	12 V	12.03V
Reaction Tray Temperature	37 ^o C	37 ^o C
Reagent Tray Temperature	7-10 ^o C	8 ^o C

Photometer Calibration Check	Ok
Cuvette Blank Check	Ok
Cuvette Quality Check	Ok
Leakage from Laundry	Ok
Reagent/ Sample syringe	Ok

Wavelength	Gain
340	43000
405	45672
450	43120
510	45902
546	42085
578	47009
620	43895
670	44903
700	45092

The Calibrator used:

Lot No:

Expiry Date:

The Control used :

Lot No :

Expiry date :

The instrument does photometer check before each batch of tests is run. It will give an error message if the photometer test fails and it will not run any samples.

Thanking you and assuring of our prompt attention at all times.

Yours faithfully,

For MERIL DIAGNOSTICS PVT LTD.



**Name:-Mr Manoj Gautham
Service Engineer**

CALIBRATION CERTIFICATE

Customer

MAMATA ACADEMY OF MEDICAL SCIENCES CENTRAL LAB
 Bachupally
 HYDERABAD - 500090



UDHYAMSHRI
 ENGINEERS

AN ISO 9001:2015 CERTIFIED COMPANY

Plot No. 7+8,
 Khare Group Housing Project,
 Old Dharamani Road,
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MANUFACTURERS OF CMS FOR BLOOD BANK AND BIO-MEDICAL EQUIPMENT CALIBRATION SERVICES

<p>Certificate No.</p> <p>UE/SLI/086343.0/24</p>			<p>Calibration Date 06-01-2024 Certificate Date 06-01-2024 Recommended Calibration Due Date 06-07-2024</p>
<p>Nomenclature : LAB. CENTRIFUGE Location : BIOCHEMISTRY LAB. User ID : N/A Make : REMI Sr.No. : ZEDN-15234 Equipment Range : From: 0 rpm To: 4500 rpm Operating Range : From: 1000 rpm To: 4500 rpm Date of Receipt : 06-01-2024 Status of Equipment on receipt : WORKING</p>		<p>STANDARD USED</p> <p>1) Name :DIGITAL HUMIDITY INDICATOR Make/Model : MEXTECH Cal At :ERTL (West), Mumbai Sr No :UE/CS/A/STD/04 Cal Date :31-05-2023 Valid upto : 31-05-2024 Cert No. ERTL(W)/2023TNP 41</p> <p>2) Name :DIGITAL TACHOMETER Make/Model : LUTRON Cal At :IDEMI, MUMBAI Sr No :UE/CS/A/STD 02 Cal Date :10-05-2023 Valid upto : 09-05-2024 Cert No. CC/ECL/0165/23-24</p> <p>* All master calibrator calibration certificates are traceable to National standards with unbroken chain.</p>	
<p>Environmental conditions</p> <p>Ambient Temp. : 25±4°C Relative Humidity : ≤70%RH Calibrated ' On Site ' at Customers address.</p>		<p>Calibration Procedure No.:UE/CP/001-R0</p>	

Observations

SR	Standard Reading (RPM)	Mean Reading (RPM)	Range Requested For Calibration (RPM)	Uncertainty (±) (RPM)
1	1000	1007.667	1000 To 4500	0.741
2	2000	2008.667	1000 To 4500	0.741
3	3000	3009.667	1000 To 4500	0.741
4	4000	4010.667	1000 To 4500	0.741
5	4500	4511.667	1000 To 4500	0.741

DUC = Device Under Calibration

(Uncertainty of the measurement is stated in the result at 95% Confidence Level for k=1.96)

<p>Status of the equipment after calibration : REFER TO CHART</p>		<p>Witnessed By : TECHNICIAN ON DUTY</p>		
	<p>Technician</p>	<p>Approved By</p>	<p>Released & Authorised By</p>	<p>Seal</p>

- * This certificate refers only to the item calibrated and shall not be reproduced except in full, without our written permission.
- * The "Mean Reading" stated in the certificate is mean of all readings taken of that particular parameter value.
- * Results reported are valid at the time of and under the stated conditions as above.
- * The calibration results are applicable only to those items which have been calibrated and do not apply to any other items even though declared to be similar/identical. The present equipment is calibrated for stated parameter only.
- * We will not be liable for any change in calibration data & performance specification on account of malfunctioning of standard / instrument / equipment due to any damage caused to it after the report, in respect of it being issued.
- * We will not be liable for any loss / damage caused to the equipment or the products, due to calibration oversight.
- * Any anomalies/discrepancies in the report should be brought to our notice within 30 days from the report issue date.
- * All calculations & expressions used to generate this report uses SI / derived units.
- * Any handwritten / corrected matter on this document is not authenticated.

CALIBRATION CERTIFICATE

Customer

MAMATA ACADEMY OF MEDICAL SCIENCES CENTRAL LAB

Bachupally
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MANUFACTURERS OF CMS FOR BLOOD BANK AND BIO-MEDICAL EQUIPMENT CALIBRATION SERVICES

<p>Certificate No.</p> <p>UE/SLI/086344.0/24</p>		<p>Calibration Date 06-01-2024</p> <p>Certificate Date 06-01-2024</p> <p>Recommended Calibration Due Date 06-07-2024</p>
<p>Nomenclature : LAB. CENTRIFUGE</p> <p>Location : BIOCHEMISTRY LAB.</p> <p>User ID : N/A</p> <p>Make : REMI</p> <p>Sr.No. : ZHBN-07599</p> <p>Equipment Range : From: 0 rpm To: 4500 rpm</p> <p>Operating Range : From: 1000 rpm To: 4500 rpm</p> <p>Date of Receipt : 06-01-2024</p> <p>Status of Equipment on receipt : WORKING</p>		<p>STANDARD USED</p> <p>1) Name :DIGITAL HUMIDITY INDICATOR Make/Model : MEXTECH Cal At :ERTL (West), Mumbai Sr No :UE/CS/A/STD/04 Cal Date :31-05-2023 Valid upto : 31-05-2024 Cert No. ERTL(W)/2023TNP 41</p> <p>2) Name :DIGITAL TACHOMETER Make/Model : LUTRON Cal At :IDEMI, MUMBAI Sr No :UE/CS/A/STD 02 Cal Date :10-05-2023 Valid upto : 09-05-2024 Cert No. CC/ECL/0165/23-24</p> <p>* All master calibrator calibration certificates are traceable to National standards with unbroken chain.</p>
<p>Environmental conditions</p> <p>Ambient Temp. : 25±4°C</p> <p>Relative Humidity : ≤70%RH</p> <p>Calibrated ' On Site ' at Customers address.</p>		<p>Calibration Procedure No.:UE/CP/001-R0</p>

Observations

SR	Standard Reading (RPM)	Mean Reading (RPM)	Range Requested For Calibration (RPM)	Uncertainty (±) (RPM)
1	1000	1004.667	1000 To 4500	0.741
2	2000	2005.667	1000 To 4500	0.741
3	3000	3006.667	1000 To 4500	0.741
4	4000	4007.667	1000 To 4500	0.741
5	4500	4508.667	1000 To 4500	0.741

DUC = Device Under Calibration

(Uncertainty of the measurement is stated in the result at 95% Confidence Level for k=1.96)

Status of the equipment after calibration : **REFER TO CHART**
Witnessed By : **TECHNICIAN ON DUTY**

	<p>Technician</p>	<p>Approved By</p>	<p>Released & Authorised By</p>	<p>Seal</p>
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MANUFACTURERS OF CMS FOR BLOOD BANK AND BIO-MEDICAL EQUIPMENT CALIBRATION SERVICES

<p>Certificate No.</p> <p>UE/SLI/086345.0/24</p>	<p>Calibration Date 06-01-2024 Certificate Date 06-01-2024 Recommended Calibration Due Date 06-07-2024</p>
<p>Nomenclature : SEMI AUTOMATED ANALYSER Location : BIOCHEMISTRY LAB. User ID : N/A Make : MISPA I2 Sr.No. : 21201644706 Status of Equipment on receipt : WORKING</p>	<p>STANDARD USED</p> <p>1) Name :DIGITAL HUMIDITY INDICATOR Make/Model : MEXTECH Cal At :ERTL (West), Mumbai Sr No :UE/CS/A/STD/04 Cal Date :31-05-2023 Valid upto : 31-05-2024 Cert No. ERTL(W)/2023TNP 41</p>
<p>Environmental conditions</p> <p>Ambient Temp. : 25±4°C Relative Humidity : ≤70%RH Calibrated ' On Site ' at Customers address.</p>	<p>* All master calibrator calibration certificates are traceable to National standards with unbroken chain.</p> <p>Calibration Procedure No.:UE/CP/028-R0</p>

Observations

1. Overall physical inspection of the equipment carried out.
2. Step by step operation using std samples was observed and found to be satisfactory. The operation was performed by qualified technician and was observed by our representative.
3. The performance of the equipment was within normal limits.
4. No notable variation / deviation is observed.

THIS INSTRUMENT IS VALIDATED.

Status of the equipment after calibration : **REFER TO OBSERVATION**
Witnessed By : **TECHNICIAN ON DUTY**

	<p>Technician</p>	<p>Approved By</p>	<p>Released & Authorised By</p>	<p>Seal</p>
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- * This certificate refers only to the item inspected and shall not be reproduced except in full, without our written permission
- * Results reported are valid at the time of and under the stated conditions as above.
- * The calibration results are applicable only to those items which have been calibrated and do not apply to any other items even though declared to be similar/ identical.
- * We will not be liable for any change in calibration data & performance specification on account of malfunctioning of standard / instrument / equipment due to any damage caused to it after the report, in respect of it being issued.
- * Any anomalies/discrepancies in the report should be brought to our notice within 30 days from the report issue date.
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CERTIFICATE OF VALIDATION

Customer

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Web : www.udhyamshri.com

Certificate No. UE/SLI/086346.0/24	Calibration Date 06-01-2024
	Certificate Date 06-01-2024
	Recommended Calibration Due Date 06-07-2024
Nomenclature : SEMI AUTOMATED ANALYSER Location : BIOCHEMISTRY LAB. User ID : N/A Make : MERIL DIAGNOSTICS Sr.No. : 030972 Status of Equipment on receipt : WORKING	<p align="center">STANDARD USED</p> <p>1) Name :DIGITAL HUMIDITY INDICATOR Make/Model : MEXTECH Cal At :ERTL (West), Mumbai Sr No :UE/CS/A/STD/04 Cal Date :31-05-2023 Valid upto : 31-05-2024 Cert No. ERTL(W)/2023TNP 41</p> <p>* All master calibrator calibration certificates are traceable to National standards with unbroken chain.</p>
<p>Environmental conditions</p> <p>Ambient Temp. : 25±4°C Relative Humidity : ≤70%RH Calibrated ' On Site ' at Customers address.</p>	Calibration Procedure No.:UE/CP/028-R0

Observations

1. Overall physical inspection of the equipment carried out.
2. Step by step operation using std samples was observed and found to be satisfactory. The operation was performed by qualified technician and was observed by our representative.
3. The performance of the equipment was within normal limits.
4. No notable variation / deviation is observed.

THIS INSTRUMENT IS VALIDATED.Status of the equipment after calibration :
Witnessed By :**REFER TO OBSERVATION
TECHNICIAN ON DUTY**

	Technician	Approved By	Released & Authorised By	Seal

- * This certificate refers only to the item inspected and shall not be reproduced except in full, without our written permission
- * Results reported are valid at the time of and under the stated conditions as above.
- * The calibration results are applicable only to those items which have been calibrated and do not apply to any other items even though declared to be similar/ identical.
- * We will not be liable for any change in calibration data & performance specification on account of malfunctioning of standard / instrument / equipment due to any damage caused to it after the report, in respect of it being issued.
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Seq. No. 5

CERTIFICATE OF VALIDATION

Customer

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Web : www.udhyamshri.com

<p>Certificate No.</p> <p>UE/SLI/086347.0/24</p>	<p>Calibration Date 06-01-2024 Certificate Date 06-01-2024 Recommended Calibration Due Date 06-07-2024</p>
<p>Nomenclature : SEMI AUTOMATED ANALYSER Location : BIOCHEMISTRY LAB. User ID : N/A Make : SENA CORE MED.INSTRU Sr.No. : SIAQW-6458 Status of Equipment on receipt : WORKING</p>	<p>STANDARD USED</p> <p>1) Name :DIGITAL HUMIDITY INDICATOR Make/Model : MEXTECH Cal At :ERTL (West), Mumbai Sr No :UE/CS/A/STD/04 Cal Date :31-05-2023 Valid upto : 31-05-2024 Cert No. ERTL(W)/2023TNP 41</p>
<p>Environmental conditions</p> <p>Ambient Temp. : 25±4°C Relative Humidity : ≤70%RH Calibrated ' On Site ' at Customers address.</p>	<p>* All master calibrator calibration certificates are traceable to National standards with unbroken chain.</p> <p>Calibration Procedure No.:UE/CP/028-R0</p>

Observations

1. Overall physical inspection of the equipment carried out.
2. Step by step operation using std samples was observed and found to be satisfactory. The operation was performed by qualified technician and was observed by our representative.
3. The performance of the equipment was within normal limits.
4. No notable variation / deviation is observed.

THIS INSTRUMENT IS VALIDATED.

Status of the equipment after calibration : **REFER TO OBSERVATION**
Witnessed By : **TECHNICIAN ON DUTY**

	<p>Technician</p>	<p>Approved By</p>	<p>Released & Authorised By</p>	<p>Seal</p>
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- * This certificate refers only to the item inspected and shall not be reproduced except in full, without our written permission
- * Results reported are valid at the time of and under the stated conditions as above.
- * The calibration results are applicable only to those items which have been calibrated and do not apply to any other items even though declared to be similar/ identical.
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Seq. No. 6

CERTIFICATE OF VALIDATION

Customer

**MAMATA ACADEMY OF MEDICAL SCIENCES
CENTRAL LAB**

Bachupally
HYDERABAD - 500090



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MANUFACTURERS OF CMS FOR BLOOD BANK AND BIO-MEDICAL EQUIPMENT CALIBRATION SERVICES

<p>Certificate No.</p> <p>UE/SLI/086348.0/24</p>	<p>Calibration Date 06-01-2024 Certificate Date 06-01-2024 Recommended Calibration Due Date 06-07-2024</p>
<p>Nomenclature : SEMI AUTOMATED ANALYSER Location : BIOCHEMISTRY LAB. User ID : N/A Make : SENSE CORE MED.INSTRU Sr.No. : STCC-00699 Status of Equipment on receipt : WORKING</p> <p>Environmental conditions Ambient Temp. : 25±4°C Relative Humidity : ≤70%RH Calibrated ' On Site ' at Customers address.</p>	<p>STANDARD USED</p> <p>1) Name :DIGITAL HUMIDITY INDICATOR Make/Model : MEXTECH Cal At :ERTL (West), Mumbai Sr No :UE/CS/A/STD/04 Cal Date :31-05-2023 Valid upto : 31-05-2024 Cert No. ERTL(W)/2023TNP 41</p> <p>* All master calibrator calibration certificates are traceable to National standards with unbroken chain.</p> <p>Calibration Procedure No.:UE/CP/028-R0</p>

Observations

1. Overall physical inspection of the equipment carried out.
2. Step by step operation using std samples was observed and found to be satisfactory. The operation was performed by qualified technician and was observed by our representative.
3. The performance of the equipment was within normal limits.
4. No notable variation / deviation is observed.

THIS INSTRUMENT IS VALIDATED.

<p>Status of the equipment after calibration : Witnessed By :</p>	<p>REFER TO OBSERVATION TECHNICIAN ON DUTY</p>			
	 Technician	 Approved By	 Released & Authorised By	 Seal

- * This certificate refers only to the item inspected and shall not be reproduced except in full, without our written permission
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CALIBRATION CERTIFICATE

Customer

MAMATA ACADEMY OF MEDICAL SCIENCES CENTRAL
LABBachupally
HYDERABAD - 500090UDHYAMSHRI
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MANUFACTURERS OF CMS FOR BLOOD BANK AND BIO-MEDICAL EQUIPMENT CALIBRATION SERVICES

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Web : www.udhyamshri.com

Certificate No.		Calibration Date 06-01-2024	
UE/SLI/086349.0/24		Certificate Date 06-01-2024	
		Recommended Calibration Due Date 06-07-2024	
Nomenclature : DOMESTIC FRIDGE Location : BIOCHEMISTRY LAB. User ID : N/A Make : WESTERN Sr.No. : 31858190704481 Equipment Range : From: 0 °C To: RT Operating Range : From: 2 °C To: 8 °C Date of Receipt : 06-01-2024 Status of Equipment on receipt : WORKING		STANDARD USED 1) Name :DIGITAL HUMIDITY INDICATOR Make/Model : MEXTECH Cal At :ERTL (West), Mumbai Sr No :UE/CS/A/STD/04 Cal Date :31-05-2023 Valid upto : 31-05-2024 Cert No. ERTL(W)/2023TNP 41 2) Name :MULTIFUNCTION CALIBRATOR Make/Model : FLUKE Cal At :ETDC. GOA Sr No :UE/CS/A/STD 01 Cal Date :19-12-2023 Valid upto : 19-12-2024 Cert No. ETDC(GO)/2K23/S&C/137/59 3) Name :Pt-100 Sensor with TIC Make/Model : UDHYAMSHRI Cal At :IDEMI, MUMBAI Sr No :UE/CS/A/TSD/01 Cal Date :09-05-2023 Valid upto : 08-05-2024 Cert No. CC / TRL / 0029 / 23-24 * All master calibrator calibration certificates are traceable to National standards with unbroken chain.	
Environmental conditions Ambient Temp. : 25±4°C Relative Humidity : ≤70%RH Calibrated ' On Site ' at Customers address.		Calibration Procedure No.:UE/CP/006-R0	

Observations

Sr. No.	Standard Reading (°C)	Mean DUC Reading (°C)	Range Requested For Calibration (°C)	Uncertainty (±) (°C)
1	5	5.067	2 To 8	0.601
2	3	3.167	2 To 8	0.601
3	4	4.233	2 To 8	0.601
4	5	5.367	2 To 8	0.601
5	4	4.133	2 To 8	0.601

DUC = Device Under Calibration

(Uncertainty of the measurement is stated in the result at 95% Confidence Level for k=1.96)

Status of the equipment after calibration :

REFER TO CHART
TECHNICIAN ON DUTY

Witnessed By :

	Technician	Approved By	Released & Authorised By	Seal

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- * Results reported are valid at the time of calibration done and under the conditions stated as above.
- * The calibration results are applicable only to those items which have been calibrated and do not apply to any other items even though declared to be similar/identical. The present equipment is calibrated for temperature parameter only.
- * We will not be liable for any change in calibration data & performance specification on account of malfunctioning of standard / instrument / equipment due to any damage caused to it after the report, in respect of it being issued.
- * Any anomalies/discrepancies in the report should be brought to our notice within 30 days from the report issue date.
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MANUFACTURERS OF CMS FOR BLOOD BANK AND BIO-MEDICAL EQUIPMENT CALIBRATION SERVICES

Certificate No.		Calibration Date	06-01-2024
UE/SLI/086374.0/24		Certificate Date	06-01-2024
		Recommended Calibration Due Date	06-07-2024
Nomenclature : MICROPIPETTE (VARIABLE VOLUME) Location : BIOCHEMISTRY LAB. User ID : N/A Make : N/A Sr.No. : YE17BAG0056636 Equipment Range : From: 5 µl To: 50 µl Operating Range : From: 5 µl To: 50 µl Date of Receipt : 06-01-2024 Status of Equipment on receipt : WORKING		STANDARD USED 1) Name :DIGITAL HUMIDITY INDICATOR Make/Model : MEXTECH Cal At :ERTL (West), Mumbai Sr No :UE/CS/A/STD/04 Cal Date :31-05-2023 Valid upto : 31-05-2024 Cert No. ERTL(W)/2023TNP 41 2) Name :DIGITAL WEIGHING BALANCE Make/Model : ACZET Cal At :UDHYAMSHRI ENGINEERS Sr No :619118 / UE/CS/A/STD/08 Cal Date :12-06-2023 Valid upto : 12-06-2024 Cert No. MECH/G-0377/0859/2023 * All master calibrator calibration certificates are traceable to National standards with unbroken chain.	
Environmental conditions Ambient Temp. : 25±4°C Relative Humidity : ≤70%RH Calibrated ' On Site ' at Customers address.		Calibration Procedure No.:UE/CP/009-R0	

Observations

Sr. No.	Expected Volume (µl)	Mean Standard Reading (µl)	Range Requested For Calibration (µl)	Uncertainty (±) (µl)
1	5	5.096221	5 To 50	0.134934
2	15	15.023925	5 To 50	0.134934
3	25	25.050906	5 To 50	0.134934
4	35	35.011702	5 To 50	0.134934
5	50	50.002534	5 To 50	0.134934

DUC = Device Under Calibration

(Uncertainty of the measurement is stated in the result at 95% Confidence Level for k=1.96)

Status of the equipment after calibration :

REFER TO CHART

Witnessed By :

TECHNICIAN ON DUTY

	Technician	Approved By	Released & Authorised By	Seal

- * This certificate refers only to the item calibrated and shall not be reproduced except in full, without our written permission.
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CALIBRATION CERTIFICATE

Customer

MAMATA ACADEMY OF MEDICAL SCIENCES CENTRAL LAB
Bachupally
HYDERABAD - 500090



UDHYAMSHRI ENGINEERS

AN ISO 9001:2015 CERTIFIED COMPANY

MANUFACTURERS OF CMS FOR BLOOD BANK AND BIO-MEDICAL EQUIPMENT CALIBRATION SERVICES

Plot No. 7+8,
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Telefax : +91-233-2303761, 2303861
E-mail : udhyamk@gmail.com
Web : www.udhyamshri.com

Certificate No.		Calibration Date 06-01-2024
UE/SLI/086380.0/24		Certificate Date 06-01-2024
		Recommended Calibration Due Date 06-07-2024
Nomenclature : MICROPIPETTE (VARIABLE VOLUME) Location : BIOCHEMISTRY LAB. User ID : N/A Make : THERMO SCIENTIFIC Sr.No. : QW03689 Equipment Range : From: 10 µl To: 100 µl Operating Range : From: 10 µl To: 100 µl Date of Receipt : 06-01-2024 Status of Equipment on receipt : WORKING		<p align="center">STANDARD USED</p> 1) Name :DIGITAL HUMIDITY INDICATOR Make/Model : MEXTECH Cal At :ERTL (West), Mumbai Sr No :UE/CS/A/STD/04 Cal Date :31-05-2023 Valid upto : 31-05-2024 Cert No. ERTL(W)/2023TNP 41 2) Name :DIGITAL WEIGHING BALANCE Make/Model : ACZET Cal At :UDHYAMSHRI ENGINEERS Sr No :619118 / UE/CS/A/STD/08 Cal Date :12-06-2023 Valid upto : 12-06-2024 Cert No. MECH/G-0377/0859/2023 * All master calibrator calibration certificates are traceable to National standards with unbroken chain.
<p>Environmental conditions</p> Ambient Temp. : 25±4°C Relative Humidity : ≤70%RH Calibrated ' On Site ' at Customers address.		Calibration Procedure No.:UE/CP/009-R0

Observations

Sr. No.	Expected Volume (µl)	Mean Standard Reading (µl)	Range Requested For Calibration (µl)	Uncertainty (±) (µl)
1	10	10.093165	10 To 100	0.134934
2	30	30.014758	10 To 100	0.134934
3	50	50.002534	10 To 100	0.134934
4	80	80.083477	10 To 100	0.134934
5	100	100.005069	10 To 100	0.134934

DUC = Device Under Calibration

(Uncertainty of the measurement is stated in the result at 95% Confidence Level for k=1.96)

Status of the equipment after calibration : **REFER TO CHART**
 Witnessed By : **TECHNICIAN ON DUTY**

	 Technician	 Approved By	 Released & Authorised By	
--	----------------	-----------------	------------------------------	--

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CALIBRATION CERTIFICATE

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LAB

Bachupally


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Web : www.udhyamshri.com

Certificate No.		Calibration Date 06-01-2024 Certificate Date 06-01-2024 Recommended Calibration Due Date 06-07-2024
UE/SLI/086383.0/24		
Nomenclature : MICROPIPETTE (VARIABLE VOLUME) Location : BIOCHEMISTRY LAB. User ID : N/A Make : N/A Sr.No. : YE17BAG0056946 Equipment Range : From: 100 µl To: 1000 µl Operating Range : From: 100 µl To: 1000 µl Date of Receipt : 06-01-2024 Status of Equipment on receipt : WORKING	<p align="center">STANDARD USED</p> <p>1) Name :DIGITAL HUMIDITY INDICATOR Make/Model : MEXTECH Cal At :ERTL (West), Mumbai Sr No :UE/CS/A/STD/04 Cal Date :31-05-2023 Valid upto : 31-05-2024 Cert No. ERTL(W)/2023TNP 41</p> <p>2) Name :DIGITAL WEIGHING BALANCE Make/Model : ACZET Cal At :UDHYAMSHRI ENGINEERS Sr No :619118 / UE/CS/A/STD/08 Cal Date :12-06-2023 Valid upto : 12-06-2024 Cert No. MECH/G-0377/0859/2023</p> <p>* All master calibrator calibration certificates are traceable to National standards with unbroken chain.</p> <p>Calibration Procedure No.:UE/CP/009-R0</p>	
<p>Environmental conditions</p> <p>Ambient Temp. : 25±4°C Relative Humidity : ≤70%RH Calibrated ' On Site ' at Customers address.</p>		

Observations

Sr. No.	Expected Volume (µl)	Mean Standard Reading (µl)	Range Requested For Calibration (µl)	Uncertainty (±) (µl)
1	100	100.038161	100 To 1000	0.308292
2	300	299.849744	100 To 1000	0.308292
3	500	499.727512	100 To 1000	0.308292
4	800	798.551393	100 To 1000	0.308292
5	1000	998.462253	100 To 1000	0.308292


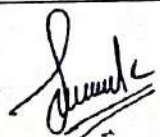



DUC = Device Under Calibration

(Uncertainty of the measurement is stated in the result at 95% Confidence Level for k=1.96)

Status of the equipment after calibration :

REFER TO CHART
TECHNICIAN ON DUTY

Witnessed By :

	 Technician	 Approved By	 Released & Authorised By	 Seal
---	---	--	---	---

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CALIBRATION CERTIFICATE

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Certificate No.

UE/SLI/086384.0/24

Calibration Date **06-01-2024**
Certificate Date **06-01-2024**
Recommended Calibration Due Date **06-07-2024**

Nomenclature : MICROPIPETTE (VARIABLE VOLUME)
Location : BIOCHEMISTRY LAB.
User ID : N/A
Make : MIRIL
Sr.No. : NI473171
Equipment Range : From: 100 µl To: 1000 µl
Operating Range : From: 100 µl To: 1000 µl
Date of Receipt : 06-01-2024
Status of Equipment on receipt : **WORKING**

STANDARD USED

- Name** :DIGITAL HUMIDITY INDICATOR **Make/Model** : MEXTECH
Cal At :ERTL (West), Mumbai **Sr No** :UE/CS/A/STD/04
Cal Date :31-05-2023 **Valid upto** : 31-05-2024
Cert No. ERTL(W)/2023TNP 41
- Name** :DIGITAL WEIGHING BALANCE **Make/Model** : ACZET
Cal At :UDHYAMSHRI ENGINEERS **Sr No** :619118 /
UE/CS/A/STD/08
Cal Date :12-06-2023 **Valid upto** : 12-06-2024
Cert No. MECH/G-0377/0859/2023

* All master calibrator calibration certificates are traceable to National standards with unbroken chain.

Calibration Procedure No.:UE/CP/009-R0

Environmental conditions

Ambient Temp. : 25±4°C
Relative Humidity : ≤70%RH
Calibrated ' On Site ' at Customers address.

Observations

Sr. No.	Expected Volume (µl)	Mean Standard Reading (µl)	Range Requested For Calibration (µl)	Uncertainty (±) (µl)
1	100	100.005069	100 To 1000	0.308292
2	300	299.882836	100 To 1000	0.308292
3	500	499.69442	100 To 1000	0.308292
4	800	798.551393	100 To 1000	0.308292
5	1000	998.462253	100 To 1000	0.308292

DUC = Device Under Calibration

(Uncertainty of the measurement is stated in the result at 95% Confidence Level for k=1.96)

Status of the equipment after calibration :

**REFER TO CHART
TECHNICIAN ON DUTY**

Witnessed By :

	Technician	Approved By	Released & Authorised By	Seal

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MANUFACTURERS OF CMS FOR BLOOD BANK AND BIO-MEDICAL EQUIPMENT CALIBRATION SERVICES

Certificate No.		Calibration Date	06-01-2024
UE/SLI/086387.0/24		Certificate Date	06-01-2024
		Recommended Calibration Due Date	06-07-2024
Nomenclature : MICROPIPETTE (VARIABLE VOLUME) Location : BIOCHEMISTRY LAB. User ID : N/A Make : THERMO SCIENTIFIC Sr.No. : NW01263 Equipment Range : From: 5 µl To: 50 µl Operating Range : From: 5 µl To: 50 µl Date of Receipt : 06-01-2024 Status of Equipment on receipt : WORKING		STANDARD USED 1) Name :DIGITAL HUMIDITY INDICATOR Make/Model : MEXTECH Cal At :ERTL (West), Mumbai Sr No :UE/CS/A/STD/04 Cal Date :31-05-2023 Valid upto : 31-05-2024 Cert No. ERTL(W)/2023TNP 41 2) Name :DIGITAL WEIGHING BALANCE Make/Model : ACZET Cal At :UDHYAMSHRI ENGINEERS Sr No :619118 / UE/CS/A/STD/08 Cal Date :12-06-2023 Valid upto : 12-06-2024 Cert No. MECH/G-0377/0859/2023 * All master calibrator calibration certificates are traceable to National standards with unbroken chain.	
Environmental conditions Ambient Temp. : 25±4°C Relative Humidity : ≤70%RH Calibrated ' On Site ' at Customers address.		Calibration Procedure No.:UE/CP/009-R0	

Observations

Sr. No.	Expected Volume (µl)	Mean Standard Reading (µl)	Range Requested For Calibration (µl)	Uncertainty (±) (µl)
1	5	5.096221	5 To 50	0.134934
2	15	15.023925	5 To 50	0.134934
3	25	25.050906	5 To 50	0.134934
4	35	35.011702	5 To 50	0.134934
5	50	50.002534	5 To 50	0.134934

DUC = Device Under Calibration

(Uncertainty of the measurement is stated in the result at 95% Confidence Level for k=1.96)

Status of the equipment after calibration :		REFER TO CHART		
Witnessed By :		TECHNICIAN ON DUTY		
	 Technician	 Approved By	 Released & Authorised By	 Seal

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CALIBRATION CERTIFICATE

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MANUFACTURERS OF CMS FOR BLOOD BANK AND BIO-MEDICAL EQUIPMENT CALIBRATION SERVICES

Certificate No. <h1>UE/SLI/086388.0/24</h1>		Calibration Date 06-01-2024 Certificate Date 06-01-2024 Recommended Calibration Due Date 06-07-2024
Nomenclature : MICROPIPETTE (VARIABLE VOLUME) Location : BIOCHEMISTRY LAB. User ID : N/A Make : THERMO SCIENTIFIC Sr.No. : PW05179 Equipment Range : From: 10 µl To: 100 µl Operating Range : From: 10 µl To: 100 µl Date of Receipt : 06-01-2024 Status of Equipment on receipt : WORKING		STANDARD USED 1) Name :DIGITAL HUMIDITY INDICATOR Make/Model : MEXTECH Cal At :ERTL (West), Mumbai Sr No :UE/CS/A/STD/04 Cal Date :31-05-2023 Valid upto : 31-05-2024 Cert No. ERTL(W)/2023TNP 41 2) Name :DIGITAL WEIGHING BALANCE Make/Model : ACZET Cal At :UDHYAMSHRI ENGINEERS Sr No :619118 / UE/CS/A/STD/08 Cal Date :12-06-2023 Valid upto : 12-06-2024 Cert No. MECH/G-0377/0859/2023 * All master calibrator calibration certificates are traceable to National standards with unbroken chain. Calibration Procedure No.:UE/CP/009-R0
Environmental conditions Ambient Temp. : 25±4°C Relative Humidity : ≤70%RH Calibrated ' On Site ' at Customers address.		

Observations

Sr. No.	Expected Volume (µl)	Mean Standard Reading (µl)	Range Requested For Calibration (µl)	Uncertainty (±) (µl)
1	10	10.093165	10 To 100	0.134934
2	30	30.014758	10 To 100	0.134934
3	50	50.002534	10 To 100	0.134934
4	80	80.083477	10 To 100	0.134934
5	100	100.005069	10 To 100	0.134934

DUC = Device Under Calibration

(Uncertainty of the measurement is stated in the result at 95% Confidence Level for k=1.96)

Status of the equipment after calibration : **REFER TO CHART**
 Witnessed By : **TECHNICIAN ON DUTY**

	Technician	Approved By	Released & Authorised By	Seal

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CALIBRATION CERTIFICATE

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MANUFACTURERS OF CMS FOR BLOOD BANK AND BIO-MEDICAL EQUIPMENT CALIBRATION SERVICES

Certificate No. UE/SLI/086389.0/24		Calibration Date 06-01-2024 Certificate Date 06-01-2024 Recommended Calibration Due Date 06-07-2024
Nomenclature : MICROPIPETTE (VARIABLE VOLUME) Location : BIOCHEMISTRY LAB. User ID : N/A Make : THERMO SCIENTIFIC Sr.No. : QW08758 Equipment Range : From: 100 µl To: 1000 µl Operating Range : From: 100 µl To: 1000 µl Date of Receipt : 06-01-2024 Status of Equipment on receipt : WORKING		STANDARD USED 1) Name :DIGITAL HUMIDITY INDICATOR Make/Model : MEXTECH Cal At :ERTL (West), Mumbai Sr No :UE/CS/A/STD/04 Cal Date :31-05-2023 Valid upto : 31-05-2024 Cert No. ERTL(W)/2023TNP 41 2) Name :DIGITAL WEIGHING BALANCE Make/Model : ACZET Cal At :UDHYAMSHRI ENGINEERS Sr No :619118 / UE/CS/A/STD/08 Cal Date :12-06-2023 Valid upto : 12-06-2024 Cert No. MECH/G-0377/0859/2023 * All master calibrator calibration certificates are traceable to National standards with unbroken chain.
Environmental conditions Ambient Temp. : 25±4°C Relative Humidity : ≤70%RH Calibrated ' On Site ' at Customers address.		Calibration Procedure No.:UE/CP/009-R0

Observations

Sr. No.	Expected Volume (µl)	Mean Standard Reading (µl)	Range Requested For Calibration (µl)	Uncertainty (±) (µl)
1	100	100.038161	100 To 1000	0.308292
2	300	299.849744	100 To 1000	0.308292
3	500	499.727512	100 To 1000	0.308292
4	800	798.551393	100 To 1000	0.308292
5	1000	998.462253	100 To 1000	0.308292

DUC = Device Under Calibration

(Uncertainty of the measurement is stated in the result at 95% Confidence Level for k=1.96)

Status of the equipment after calibration :

REFER TO CHART

Witnessed By :

TECHNICIAN ON DUTY

	Technician	Approved By	Released & Authorised By	Seal

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CALIBRATION CERTIFICATE

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MANUFACTURERS OF CMS FOR BLOOD BANK AND BIO-MEDICAL EQUIPMENT CALIBRATION SERVICES

<p>Certificate No.</p> <p>UE/SLI/086390.0/24</p> <p>Nomenclature : MICROPIPETTE (VARIABLE VOLUME) Location : BIOCHEMISTRY LAB. User ID : N/A Make : THERMO SCIENTIFIC Sr.No. : NW05593 Equipment Range : From: 50 µl To: 50 µl Operating Range : From: 50 µl To: 50 µl Date of Receipt : 06-01-2024 Status of Equipment on receipt : WORKING</p> <p>Environmental conditions Ambient Temp. : 25±4°C Relative Humidity : ≤70%RH Calibrated ' On Site ' at Customers address.</p>	<p>Calibration Date 06-01-2024 Certificate Date 06-01-2024 Recommended Calibration Due Date 06-07-2024</p> <p>STANDARD USED</p> <p>1) Name :DIGITAL HUMIDITY INDICATOR Make/Model : MEXTECH Cal At :ERTL (West), Mumbai Sr No :UE/CS/A/STD/04 Cal Date :31-05-2023 Valid upto : 31-05-2024 Cert No. ERTL(W)/2023TNP 41</p> <p>2) Name :DIGITAL WEIGHING BALANCE Make/Model : ACZET Cal At :UDHYAMSHRI ENGINEERS Sr No :619118 / UE/CS/A/STD/08 Cal Date :12-06-2023 Valid upto : 12-06-2024 Cert No. MECH/G-0377/0859/2023</p> <p>* All master calibrator calibration certificates are traceable to National standards with unbroken chain.</p> <p>Calibration Procedure No.:UE/CP/009-R0</p>
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Observations

Sr. No.	Expected Volume (µl)	Mean Standard Reading (µl)	Range Requested For Calibration (µl)	Uncertainty (±) (µl)
1	50	50.068719	50	0.134934
2	50	50.002534	50	0.134934
3	50	50.002534	50	0.134934
4	50	49.969442	50	0.134934
5	50	49.903257	50	0.134934

DUC = Device Under Calibration

(Uncertainty of the measurement is stated in the result at 95% Confidence Level for k=1.96)

Status of the equipment after calibration : **REFER TO CHART**
 Witnessed By : **TECHNICIAN ON DUTY**

	 Technician	 Approved By	 Released & Authorised By	
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CALIBRATION CERTIFICATE

Customer

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 Web : www.udhyamshri.com

MANUFACTURERS OF CMS FOR BLOOD BANK AND BIO-MEDICAL EQUIPMENT CALIBRATION SERVICES

Certificate No. UE/SLI/086391.0/24		Calibration Date 06-01-2024 Certificate Date 06-01-2024 Recommended Calibration Due Date 06-07-2024
Nomenclature : MICROPIPETTE (VARIABLE VOLUME) Location : BIOCHEMISTRY LAB. User ID : N/A Make : MISPA-I Sr.No. : RW03322 Equipment Range : From: 2 µl To: 20 µl Operating Range : From: 2 µl To: 20 µl Date of Receipt : 06-01-2024 Status of Equipment on receipt : WORKING		<p align="center">STANDARD USED</p> 1) Name :DIGITAL HUMIDITY INDICATOR Make/Model : MEXTECH Cal At :ERTL (West), Mumbai Sr No :UE/CS/A/STD/04 Cal Date :31-05-2023 Valid upto : 31-05-2024 Cert No. ERTL(W)/2023TNP 41 2) Name :DIGITAL WEIGHING BALANCE Make/Model : ACZET Cal At :UDHYAMSHRI ENGINEERS Sr No :619118 / UE/CS/A/STD/08 Cal Date :12-06-2023 Valid upto : 12-06-2024 Cert No. MECH/G-0377/0859/2023 * All master calibrator calibration certificates are traceable to National standards with unbroken chain.
<p>Environmental conditions</p> Ambient Temp. : 25±4°C Relative Humidity : ≤70%RH Calibrated ' On Site ' at Customers address.		Calibration Procedure No.:UE/CP/009-R0

Observations

Sr. No.	Expected Volume (µl)	Mean Standard Reading (µl)	Range Requested For Calibration (µl)	Uncertainty (±) (µl)
1	2	2.051725	2 To 20	0.166769
2	5	5.096221	2 To 20	0.166769
3	10	10.093165	2 To 20	0.166769
4	15	15.057017	2 To 20	0.166769
5	20	20.087054	2 To 20	0.166769

DUC = Device Under Calibration

(Uncertainty of the measurement is stated in the result at 95% Confidence Level for k=1.96)

Status of the equipment after calibration : **REFER TO CHART**
 Witnessed By : **TECHNICIAN ON DUTY**

	 Technician	 Approved By	 Released & Authorised By	
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- * This certificate refers only to the item calibrated and shall not be reproduced except in full, without our written permission.
- * The "Mean Reading" stated in the certificate is mean of all readings taken of that particular parameter value.
- * Results reported are valid at the time of and under the stated conditions as above.
- * The calibration results are applicable only to those items which have been calibrated and do not apply to any other items even though declared to be similar/identical. The present equipment is calibrated for temperature parameter only.
- * We will not be liable for any change in calibration data & performance specification on account of malfunctioning of standard / instrument / equipment due to any damage caused to it after the report, in respect of it being issued.
- * We will not be liable for any loss / damage caused to the equipment or the products, due to calibration oversight.
- * Any discrepancies in the report should be brought to our notice within 30 days from the report issue date.
- * All calculations refer to ISO/ IEC 8655-6 and ISO/TR 20416:2000.
- * Any handwritten / corrected matter on this report is not authenticated.

CALIBRATION CERTIFICATE

Customer

MAMATA ACADEMY OF MEDICAL SCIENCES CENTRAL
LAB

Bachupally

HYDERABAD - 500090

UDHYAMSHRI
ENGINEERS

AN ISO 9001:2015 CERTIFIED COMPANY

 Plot No. 7+8,
 Khare Group Housing Project,
 Old Dharamani Road,
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 SANGLI - 416 416 (INDIA)
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 Web : www.udhyamshri.com

MANUFACTURERS OF CMS FOR BLOOD BANK AND BIO-MEDICAL EQUIPMENT CALIBRATION SERVICES

Certificate No. UE/SLI/086392.0/24	Calibration Date 06-01-2024
	Certificate Date 06-01-2024
	Recommended Calibration Due Date 06-07-2024
Nomenclature : MICROPIPETTE (VARIABLE VOLUME) Location : BIOCHEMISTRY LAB. User ID : N/A Make : MISPA-I Sr.No. : RW03556 Equipment Range : From: 20 µl To: 200 µl Operating Range : From: 20 µl To: 200 µl Date of Receipt : 06-01-2024 Status of Equipment on receipt : WORKING	STANDARD USED 1) Name :DIGITAL HUMIDITY INDICATOR Make/Model : MEXTech Cal At :ERTL (West), Mumbai Sr No :UE/CS/A/STD/04 Cal Date :31-05-2023 Valid upto : 31-05-2024 Cert No. ERTL(W)/2023TNP 41 2) Name :DIGITAL WEIGHING BALANCE Make/Model : ACZET Cal At :UDHYAMSHRI ENGINEERS Sr No :619118 / UE/CS/A/STD/08 Cal Date :12-06-2023 Valid upto : 12-06-2024 Cert No. MECH/G-0377/0859/2023 * All master calibrator calibration certificates are traceable to National standards with unbroken chain.
Environmental conditions Ambient Temp. : 25±4°C Relative Humidity : ≤70%RH Calibrated ' On Site ' at Customers address.	Calibration Procedure No.:UE/CP/009-R0

Observations

Sr. No.	Expected Volume (µl)	Mean Standard Reading (µl)	Range Requested For Calibration (µl)	Uncertainty (±) (µl)
1	20	20.020869	20 To 200	0.166769
2	50	50.002534	20 To 200	0.166769
3	100	100.038161	20 To 200	0.166769
4	150	150.040695	20 To 200	0.166769
5	200	199.977045	20 To 200	0.166769

DUC = Device Under Calibration

(Uncertainty of the measurement is stated in the result at 95% Confidence Level for k=1.96)

Status of the equipment after calibration :

REFER TO CHART
TECHNICIAN ON DUTY

Witnessed By :

	Technician	Approved By	Released & Authorised By	Seal

- * This certificate refers only to the item calibrated and shall not be reproduced except in full, without our written permission.
- * The "Mean Reading" stated in the certificate is mean of all readings taken of that particular parameter value.
- * Results reported are valid at the time of and under the stated conditions as above.
- * The calibration results are applicable only to those items which have been calibrated and do not apply to any other items even though declared to be similar/identical. The present equipment is calibrated for temperature parameter only.
- * We will not be liable for any change in calibration data & performance specification on account of malfunctioning of standard / instrument / equipment due to any damage caused to it after the report, in respect of it being issued.
- * We will not be liable for any loss / damage caused to the equipment or the products, due to calibration oversight.
- * Any discrepancies in the report should be brought to our notice within 30 days from the report issue date.
- * All calculations refer to ISO/ IEC 8655-6 and ISO/TR 20416:2000.
- * Any handwritten / corrected matter on this report is not authenticated.