

Ace Medical Solutions (India) Pvt. Ltd.

An ISO 9001-2015 Certified Company

No : 3/751, 1st Cross Street, Surveyor Colony, K.Pudur, Madurai - 625 007.

Phone : 0452 - 2561691 Mobile : +91 94434 74610



GSTIN: 33AAHCA8053H1ZR • DL No. MDU/4205/20B,MDU/3971/21B • CIN : U33110TN2009PTC072140

CALIBRATION CERTIFICATE



Customer Name & Address:	M/S. Sundar Lab, No.1/1101, Thawlath Nisha Complex, Bharathi Nagar,Ramanathapuram-623503	Certificate No:	AMS/LAB/2888239
		Issuing Date:	06/12/2020
		Page No:	1 of 1

Details of Device under Calibration (DUC):

DUC:	Refrigerator - Samples	Id. No:	SUNR/LAB/SREF/001
Make:	Godrej - Thermo Electric Cooler	Department:	Laboratory
Model:	TEC Qube 30L HS Q 102 Met Gry	Calibrated On:	05/12/2020
Sl. No:	SD00068	Calibration Due Suggested:	04/12/2021
Type:	Sample 30Ltr.	DUC Condition on Receipt:	OK
Range & Least Count:	0 - 8°C / LC 1°C		

Traceability Details:

Sl.No.	Test Equipment	Make	Certificate Number	Valid Up to
1	RTD Thermometer	Center / RTD-375	QC/AMS/DTI/002	22/02/2021
2	Thermo Hygrometer	HTC	QC/AMS-DTI-004	22/02/2021

Room Temperature: 25°C±2 Room Humidity: 30-60% (At the time of Calibration)

Test Results:

SL.No.	DUC Reading (°C)	Standard Reading (°C)	Correction (°C)
1	Knob Position 4	4.18	0
2	Knob Position 4	2.43	0

Allowable Tolerance: ±1°C

Note:

1. Calibration Points were selected as per customer request.
2. Each reading were taken by Repeatability Test (i.e.) each reading in a row is a mean of 10 readings.
3. Results Reported are valid at the time of and under the stated conditions of measurements.



Calibrated By:
(Calibration Engineer)

B. Thy.

Approved by:
(Technical Manager)

B. Thy.

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CALIBRATION CERTIFICATE

Customer Name & Address:	M/S. Sundar Lab, No.1/1101, Thawlath Nisha Complex, Bharathi Nagar, Ramanathapuram-623503	Certificate No:	AMS/LAB/2888238
		Issuing Date:	06/12/2020
		Page No:	1 of 1

Details of Device under Calibration (DUC):

DUC:	Refrigerator - Reagent	Id. No:	SUNR/LAB/RREF/001
Make:	Samsung	Department:	Laboratory
Model:	Frost Free	Calibrated On:	05/12/2020
Sl. No:	RT - 31/2009	Calibration Due Suggested:	04/12/2021
Type:	Reagent - 315Ltr. Double Door	DUC Condition on Receipt:	OK
Range & Least Count:	0 - 8°C / LC 1°C		

Traceability Details:

Sl.No.	Test Equipment	Make	Certificate Number	Valid Up to
1	RTD Thermometer	Center / RTD 375	QC/AMS/DTI/002	22/02/2021
2	Thermo Hygrometer	HTC	QC/AMS-DTI-004	22/02/2021

Room Temperature: 25°C±2 Room Humidity: 30-60% (At the time of Calibration)

Test Results:

SL.No.	DUC Reading (°C)	Standard Reading (°C)	Correction (°C)
1	Knob Position 4	2.01	0
2	Knob Position 4	-4.58	0

Allowable Tolerance: ±1°C

Note:

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2. Each reading were taken by Repeatability Test (i.e.) each reading in a row is a mean of 10 readings.
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Calibrated By:

(Calibration Engineer)

B. S. S.



Approved by:

(Technical Manager)

B. S. S.

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CALIBRATION CERTIFICATE

Customer Name & Address:	M/S. Sundar Lab, No.1/1101, Thawlath Nisha Complex, Bharathi Nagar,Ramanathapuram-623503	Certificate No:	AMS/LAB/2888537
		Issuing Date:	06/12/2020
		Page No:	1 of 2

Details of Device under Calibration (DUC):

DUC:	Microscope	Id. No:	SUNR/LAB/MS/001
Make:	Olympus	Department:	Laboratory
Model:	CH20i BIMF	Calibrated On:	05/12/2020
Sl. No:	18F0091	Calibration	
Type:	Binocular – Magnus Opto Sys.	Due Suggested:	04/12/2021
Range & Least Count:	With Camera Provision	DUC Condition on Receipt:	OK

Traceability Details:

Sl.No.	Test Equipment	Make	Certificate Number	Valid Up to
1	Electrical Safety Analyser	RigelSafeTest60	PSG/CIRD/BMCC/4424/2020	19/01/2021
2	Digital Lux Meter	HTC/ LX - 103	FSMS/CL/05/18-08/NN233-01	29/07/2021
3	Thermo Hygrometer	HTC	QC/AMS-DTI-004	22/02/2021

Room Temperature: 25°C±2 Room Humidity: 30-60% (At the time of Calibration)

ESA Test Results:

SL.No	Parameter	ESA Reading	Unit	Normal Range	Condition
1	Current	90	mA	1	Normal
2	Frequency	50.0	Volts	49 -50	Normal
3	Mains Voltage Line - Neutral	230.3	Volts	220 - 240	Normal
4	Mains Voltage Line - Earth	230.1	Volts	220 - 240	Normal
5	Mains Voltage Neutral - Earth	4.8	Volts	< 7	Normal

*Electrical Safety: Please check the attached log sheet

SL.No.	Knob Position	DUC Reading (LUX)	Distance (Cm)
1	Low	3270	30
2	High	19110	30

Note:

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CALIBRATION CERTIFICATE

Customer Name & Address:	M/S. Sundar Lab, No.1/1101, Thawlath Nisha Complex, Bharathi Nagar, Ramanathapuram-623503	Certificate No:	AMS/LAB/2888531
		Issuing Date:	06/12/2020
		Page No:	1 of 1

Details of Device under Calibration (DUC):

DUC:	Centrifuge	Id. No:	SUNR/LAB/CEN/002
Make:	KEMI	Department:	Laboratory
Model:	C8C	Calibrated On:	05/12/2020
Sl. No:	27644	Calibration Due Suggested:	04/12/2021
Type:	Digital 8 Bkts	DUC Condition on Receipt:	OK
Range & Least Count:	0 - 4500 / 0.65A, 1/20 th HP		

Traceability Details:

Sl.No.	Test Equipment	Make	Certificate Number	Valid Up to
1	Digital Tachometer	Lutron / DT-2234C	FSMS/CL/05/18-08/071-01	29/07/2021
2	Thermo Hygrometer	HTC	QC/AMS-DTI-004	22/02/2021

Room Temperature: 25°C±2 Room Humidity: 30-60% (At the time of Calibration)

Test Results:

SL.No.	DUC Reading (RPM)	Standard Reading (RPM)	Correction (RPM)
1	1500	1505	+5
2	2000	2028	+28
3	2500	2512	+12
4	3000	3084	+84
5	3500	3612	+112

Allowable Tolerance: Set by Customer

Note:

1. Calibration Points were selected as per customer request.
2. Each reading were taken by Repeatability Test (i.e.) each reading in a row is a mean of 10 readings.
3. Results Reported are valid at the time of and under the stated conditions of measurements.

Calibrated By:

(Calibration Engineer)

B. S. S.



Approved by:

(Technical Manager)

B. S. S.

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GSTIN: 33AAHCA8053H1ZR • DL No. MDU/4205/208;MDU/3971/21B • CIN : U33110TN2009PTC072140

CALIBRATION CERTIFICATE

Customer Name & Address:	M/S. Sundar Lab, No.1/1101, Thawlath Nisha Complex, Bharathi Nagar,Ramanathapuram-623503	Certificate No:	AMS/LAB/2888536
		Issuing Date:	06/12/2020
		Page No:	1 of 1

Details of Device under Calibration (DUC):

DUC:	Micro Pipette	Id. No:	SUNR/LAB/VMP/003
Make:	Thermo Scientific	Department:	Laboratory
Model:	Finnpipette	Calibrated On:	05/12/2020
Sl. No:	PW16881	Calibration Due	04/12/2021
Type:	Variable	Suggested:	
Range & Least Count:	100 to1000µl	DUC Condition on Receipt:	OK

Traceability Details:

Sl.No.	Test Equipment	Make	Certificate Number	Valid Up to
1	Electronic Weighing Scale	EWC/SF400C	LM-2008863	08/08/2021
2	Thermo Hygrometer	HTC	QC/AMS-DTI-004	22/02/2021

Room Temperature: 25°C±2 Room Humidity: 30-60% (At the time of Calibration)

Test Results:

SL. No.	DUC Reading (µl)	Standard Reading (µl)		Correction (µl)
		Trial 1	Trial 2	
1	50	50	50	0
2	100	100	100	0
3	200	200	200	0
4	500	500	500	0
5	1000	1000	1000	0

Allowable Tolerance: ±1%

Note:

1. Calibration Points were selected as per customer request.
2. Each reading were taken by Repeatability Test (i.e.) each reading in a row is a mean of 10 readings.
3. Results Reported are valid at the time of and under the stated conditions of measurements.

Calibrated By:

(Calibration Engineer)

B. Srinivas



Approved by:

(Technical Manager)

B. Srinivas

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Customer Name & Address:	M/S. Sundar Lab, No.1/1101, Thawlath Nisha Complex, Bharathi Nagar,Ramanathapuram-623503	Certificate No:	AMS/LAB/2888532
		Issuing Date:	06/12/2020
		Page No:	1 of 1

Details of Device under Calibration (DUC):

DUC:	Micro Pipette	Id. No:	SUNDR/LAB/FMP/001
Make:	Thermo Scientific	Department:	Laboratory
Model:	Finnpipette	Calibrated On:	05/12/2020
Sl. No:	QW09678	Calibration Due Suggested:	04/12/2021
Type:	Fixed	DUC Condition on Receipt:	OK
Range & Least Count:	100µl		

Traceability Details:

Sl.No.	Test Equipment	Make	Certificate Number	Valid Up to
1	Electronic Weighing Scale	EWC/SF400C	LM-2008863	08/08/2021
2	Thermo Hygrometer	HTC	QC/AMS-DTI-004	22/02/2021

Room Temperature: 25°C±2 Room Humidity: 30-60% (At the time of Calibration)

Test Results:

SL. No.	DUC Reading (µl)	Standard Reading (µl)		Correction (µl)
		Trial 1	Trial 2	
1	100	100	100	0

Allowable Tolerance: ±1%

Note:

1. Calibration Points were selected as per customer request.
2. Each reading were taken by Repeatability Test (i.e.) each reading in a row is a mean of 10 readings.
3. Results Reported are valid at the time of and under the stated conditions of measurements.

Calibrated By:

(Calibration Engineer)

B. Srinivasan



Approved by:

(Technical Manager)

B. Srinivasan

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Customer Name & Address:	M/S. Sundar Lab, No.1/1101, Thawlath Nisha Complex, Bharathi Nagar,Ramanathapuram-623503	Certificate No:	AMS/LAB/2888535
		Issuing Date:	06/12/2020
		Page No:	1 of 1

Details of Device under Calibration (DUC):

DUC:	Micro Pipette	Id. No:	SUNR/LAB/VMP/002
Make:	Thermo Scientific	Department:	Laboratory
Model:	Finnpipette	Calibrated On:	05/12/2020
Sl. No:	QW03069	Calibration Due Suggested:	04/12/2021
Type:	Variable	DUC Condition on Receipt:	OK
Range & Least Count:	10 to100µl		

Traceability Details:

Sl.No.	Test Equipment	Make	Certificate Number	Valid Up to
1	Electronic Weighing Scale	EWC/SF400C	LM-2008863	08/08/2021
2	Thermo Hygrometer	HTC	QC/AMS-DTI-004	22/02/2021

Room Temperature: 25°C±2 Room Humidity: 30-60% (At the time of Calibration)

Test Results:

SL. No.	DUC Reading (µl)	Standard Reading (µl)		Correction (µl)
		Trial 1	Trial 2	
1	20	20	20	0
2	50	50	50	0
3	100	100	100	0

Allowable Tolerance: ±1%

Note:

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