



TransCal

Measurement to Perfection...



Main Bld. Premises : Centenary Building (G. Flr), Door No. At : 100
W. Park Rd., Between Sampighe Road And Margosa Rd.,
10th Crs., Malleswaram, Bangalore City, Pin-560003

CALIBRATION CERTIFICATE

Customer Name & Add. : M/s. Clinical Laboratory
CARI,GHY-781028

Customer's Reference :

SRF No. : TSC/22-23/7590

Dated : 11 Aug 2022

ULR.NO CC223122000080856F

Calibration Certificate Number	Calibrated On	Recommended Calibration Due	Page Number
TSC/22-23/7590-4	11 Aug 2022	11 Aug 2023	1 of 2

Details of device under calibration	Transcal ID
Nomenclature : Refrigerator	: TSC365902
Make : Godrej	No. of Pages : 2
Model/Range : RD EDGE 205A	Cal Procedure No. : TSC/CAL/509
SI No. : 220102518DR02814	DUC Received : 11 Aug 2022
ID No. : NA	DUC Condition on Receipt : Satisfactory
	Cal At : Thermal Onsite

Environmental Conditions : Temperature in °C : 25±4

Humidity in RH % : 30-75

Standards used :

SI No.	Nomenclature	Make	Model	SI No./ID.No.	Certificate No.	Validity
1	Temperature Recorder	Yokogawa	DX 106-1-2	12C2278	TSC/21-22/INH/TCAL-49-1	23 Mar 2023
2	RTD Sensor	--	PT100	TSC/TCAL/78A to 78J	TSC/21-22/INH/TCAL-78A-78J-1	12 Nov 2022

Note :

1. This Calibration Certificate relates only to the above DUC & Reported results are valid at the time of and under the stated conditions of measurements.
2. Partial Publication/ reproduction of this Certificate in any form is not permitted without the written consent of Transcal.
3. Errors if any, in this Certificate shall be brought to notice within 45 days from the date of this Certificate
4. Measurement Uncertainty reported is at approximately 95 % confidence level with k=2; Units of Measurement results & Measurement Uncertainty are same as that of range selected - Unless otherwise indicated.
5. Calibration of the DUC are traceable to National/International Standards
6. Corrections/erasing, invalidate the Calibration Certificate- exception to the 'Final Page or Part' of this Report- provided for incorporation of additional data(To be filled by customer authorized signatory and not under calibration laboratory control).
7. In Result Sheets, 'Pass' indicates measured readings are within specification limit, 'Fail' Indicates measured readings are out of specification limit & '-' indicates no specification limit furnished.
8. Unless otherwise specified the Measurement Data reported is "As Found"-Without any adjustment.
9. Consider Model or Range whichever is applicable.
10. Nabl-133 guidelines are adopted for use of NABL symbol.

Calibrated By

Kiran K.M
(Calibration Engineer)

Checked By

Naveen Kumar S R
(Sr. Calibration Engineer)



Authorised By

Vijaya Kumar V
(Technical Director)



Results:

Range : -20 to 0 & 2 to 8°C

LC : 0.1 °C

Measurement of Temperature

Sl. No.	Std Reading (°C)	DUC Reading (°C)	Error Observed (°C)	Measurement Uncertainty in \pm (°C)	Remarks
1	-19.8	-20.1	0.3	0.61	--
2	0.2	0.5	0.3	0.61	--
3	1.9	2.2	0.3	0.61	--
4	3.9	4.5	0.6	0.61	--
5	6.2	6.5	0.3	0.61	--
6	8.2	8.8	0.6	0.61	--

Conclusion / Remarks :-

1 Temperature Scale : International Temperature Scale, 1990 (ITS-90).

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(Calibration Engineer)

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CALIBRATION CERTIFICATE

Customer Name & Add. : M/s. Clinical Laboratory
CARI,GHY-781028

Customer's Reference :

SRF No. : TSC/22-23/7590

Dated : 11 Aug 2022

ULR.NO CC223122000080850F

Calibration Certificate Number	Calibrated On	Recommended Calibration Due	Page Number
TSC/22-23/7590-5	11 Aug 2022	11 Aug 2023	1 of 2

Details of device under calibration

Transcal ID : TSC365903

Nomenclature : Refrigerator	No. of Pages : 2
Make : LG	Cal Procedure No. : TSC/CAL/509
Model/Range : GR-T312	DUC Received : 11 Aug 2022
SI No. : 3850JH2003F	DUC Condition on Receipt : Satisfactory
ID No. : NA	Cal At : Thermal Onsite

Environmental Conditions : Temperature in °C : 25±4

Humidity in RH % : 30-75

Standards used :

SI No.	Nomenclature	Make	Model	SI No./ID.No.	Certificate No.	Validity
1	Temperature Recorder	Yokogawa	DX 106-1-2	12C2278	TSC/21-22/INH/TCAL-49-1	23 Mar 2023
2	RTD Sensor	--	PT100	TSC/TCAL/78A to 78J	TSC/21-22/INH/TCAL-78A-78J-1	12 Nov 2022

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9. Consider Model or Range whichever is applicable.
10. Nabl-133 guidelines are adopted for use of NABL symbol.

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(Calibration Engineer)

Checked By

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Range : -20 to 0 & 2 to 8°C

LC : 0.1 °C

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1	-19.9	-20.2	0.3	0.61	--
2	0.3	0.6	0.3	0.61	--
3	2.1	2.5	0.4	0.61	--
4	4.1	4.8	0.7	0.61	--
5	6.1	6.7	0.6	0.61	--
6	8.2	8.9	0.7	0.61	--

Conclusion / Remarks :-

1 Temperature Scale : International Temperature Scale, 1990 (ITS-90).

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