



CALIBRATION CERTIFICATE

Calibration Certificate No	Page Number
TSC/2024/IAS/93/9	01/02

Customer Name & Address	Syngene International Ltd., BSEZ-S1 UNIT IV, Plot No.2 & 3, Phase IV Biocon Park, Bommasandra Jigani Link Road, Bommasandra Industrial Area, Bangalore Karnataka IND 560099
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Customer's Reference	SRF No.	TSC/2024/93	Date	17 Jul 2024
Calibrated On	Date of Issue	17 Jul 2024	Recommended Calibration Due Date	23 Jan 2025

Details of device under calibration (DUC)

Nomenclature	: Temperature indicator with sensor	Procedure No.	: TSC/CAL/501
Range	: -150 to 400 °C	Receipt Date	: 17 Jul 2024
Resolution	: 0.1 °C	DUC Condition on Receipt	: GOOD
Acceptance Limit	: ± 1 °C	Cal At	: Onsite
Model/Make	: NA / Rdix	Location	: KILO LAB
SI No	: NA	Operating Range	: -150 to 200 °C
ID No	: S1KL-WH-003/01		

Environmental Conditions:	Temperature : 24.1 °C	Humidity: 49 %Rh
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Standards Used

SI No	Nomenclature	Make	Model	SI No	Certificate No	Validity
1	RTD Sensor	Techno Trade	PT-100	NA	TSC/23-24/INH/PR/TCAL/385-1	21/09/2024
2	Digital Thermometer	Udian	AI-5600	22L314581	TSC/23-24/INH/PR/TCAL-422-1	06/11/2024

Note :

- This Calibration Certificate relates only to the above DUC & Reported results are valid at the time of and under the stated conditions of measurements.
- Partial Publication/ reproduction of this Certificate in any form is not permitted without the written consent of TransCal Technologies LLP.
- Errors if any, in this Certificate shall be brought to notice within 45 days from the date of this Certificate
- 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.
- Calibration of the DUC are traceable to National/International Standards
- Corrections/erasing invalidate the Calibration Certificate.
- Unless otherwise specified the Measurement Data reported is "As Found"-Without any adjustment.
- The Decision Rule:
Simple Conformity Decision: Decision Without Considering Measurement Uncertainty, " COMPLY " indicates measured value is within or on threshold of Tolerance limit/Accuracy. " DOESN'T COMPLY " indicates measured value is beyond threshold of Tolerance limit/Accuracy. " ___ " indicates no tolerance limit/Accuracy furnished.

For Transcal		For Customer
Calibrated By	Authorized By	Reviewed by EAM
Electronically signed by Aathithyan 17 Jul 2024, 15:07	Electronically signed by Harshith 17 Jul 2024, 17:21	
Calibration Engineer	Lab Incharge	Syngene International Ltd.,



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TSC/2024/IAS/93/9	02/02

DISCIPLINE : Thermal - Temperature

Calibration Results

Sr. No.	Calibration Point °C	DUC Reading °C	Master Reading °C	Error °C	Acceptance limit (±) °C	Expanded Uncertainty (±) °C
1	-150	-150.2	-150.19	-0.01	1.00	0.21
2	-50	-50.1	-50.22	0.12	1.00	0.15
3	50	50.2	50.28	-0.08	1.00	0.32
4	100	100.2	100.33	-0.13	1.00	0.43
5	200	200.3	200.38	-0.08	1.00	0.66

Remarks :
The results **comply** with acceptance criteria
Accuracy mentioned as per the customer request



----- END OF CALIBRATION CERTIFICATE -----



For Transcal		For Customer
Calibrated By	Authorized By	Reviewed by EAM
Electronically signed by Aathithiyam 17 Jul 2024, 15:07	Electronically signed by Harshith 17 Jul 2024, 17:21	
Calibration Engineer	Lab Incharge	Syngene International Ltd.,