

Calibration Certificate No. : TL/220/773.2.1

ULR No. : CC28402000005103F

M/S NATIONAL CENTRE FOR QUALITY CALIBRATION 4, ABHISHREE CORPORATE PARK, NEAR SWAGAT BUNGALOW BRTS, ISKCON-AMBLI ROAD, AMBLI, AHMEDABAD - 380058 GUJARAT, INDIA	J.O.NO. : T/220/2/2113003206 Received Date : 26/09/2020 Calibration Date : 29/09/2020 Next Cali. Due Date : 28/09/2021 Certificate Issue Date : 29/09/2020
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UUC Description :

Output : DIGITAL
Item : INFRARED NON CONTACT PYROMETER
Calibration Required At : 50, 100, 200 & 250 °C
Inst. Sr. No. : E6112041113
Inst. Id. No. : NCQC/T-97
Make & Model : AST & TCT-500
Range : -60 to 500 °C
Least Count : 0.1/1 °C
Emissivity : 0.95
Condition of Item : Satisfactory
Location : At Lab

NCQC
Valid up to 28/09/2021
Reviewed _____

Calibration Procedure : The UUC was checked on a Black Body Furnace which was allowed to be stable at specified temperature points. The reading of Standard and UUC were recorded. The report provides the reading and deviation. As per Work Instruction No. : WI-LAB-1

The pyrometer has been compared with the following working standards of sensor & measuring instrument.

Standards	Traceable To	Certificate No.	Valid Up to
STANDARD RTD Calsys 500BB	Tempsens, Udaipur	TL/220/668.1.1	01.09.2021
PRECISION THERMOMETER	YMPL, Udaipur	YMPL/319215/109614	02.07.2021

The Standards used for calibration is traceable to National / International Standard.

The Results of calibration are as under :

Sr. No.	Standard Sensor °C	UUC °C	Dev. °C	Expanded uncertainty (±°C)
1	49.96	50.5	0.54	1.75
2	99.91	100.9	0.99	1.75
3	198.23	199.8	1.57	1.75
4	249.06	251	1.94	1.75

Temperature Scale: ITS-90

Ambient Temp. : 25±2 °C

Relative Humidity : 50±20 %RH

Calibrated By _____

Checked By _____

Certified By _____

Harish Kumar Kharol
(Asst. Quality Manager)

NCQC System Certificate No. 194

Note:

- The calibration results reported in this certificate are valid at the time of and under the stated condition of measurement for the particular sample.
- The report shall not be reproduced except in full, without written permission of the laboratory
- Coverage factor "k" = 2 at approx 95.45% confidence level.
- Next Calibration Due Date mentioned as per customer requirement