

Radical Scientific Equipments Put. Ltd. (Calibration Laboratory)

9th Milestone, Ambala-Jagadhri Road, P.O. Khudda Kalan, Ambala Cantt. -133104 Ph: 0171-2600801(60 Lines), 2891500/501/502, Fax.: 2891503, E-mail:info@radicalscientific.com





Certificate of Calibration

Customer Name & Address:-	National Centre For Quality Calibration, 4,Abhishree Corporate Park, Nr. SwagatBanglow BRTS, Iskon-Ambli Road, Ambli Ahmedabad – 380058.
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Service Request No.:- 422	Date of Calibration :- 23-12-2021	
Service Request Date :- 11-12-2021	Next Suggested Date of Calibration :	
Certificate No.:- RSEPL/NABL/21-22/422	ULR No.:-CC23222100000117F	
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DETAILS OF INSTRUMENT

Nomenclature :- Profile Projector	Range :- As Mentioned Below			
Make :- Radical	Least Count :- As Mentioned Below			
Model No. :- RPP-3000DR	Accuracy :- As per Mfg. Specifications			
Serial No. :- 33271	Acceptance Criteria :- Not Applicable			
ID No. :- Asset No.NCQC/M-25	Type :- Digital			
Location :- At Customer's Site				

Ref. Standard : 3 IS-2754 : 1964	Calibration Procedure :- CP-503
Environment Conditions :- Temp.:- 20°C +2°C R.H.:- 50% ± 10%	Calibration Done At :- Customer's Site

DETAILS OF STANDARD USED

A 200	DETAILS OF STANDARD USED						
	Nomenclature	Make/Model	ID/Serial No.	Certificate No.	Validity		
1.	Slip Gauge		RSEPL-CL-002	ITCCS/2021/48083	Up to04.07.2022		
2.	Glass Scale 0-50mm		RSEPL-CL-005	TI/G/GS/006/20	Up to14.07.2022		
3.	Glass Scale 0-200mm	<u></u>	RSEPL-CL-006	TI/G/GS/007/20	Up to14.07.2022		
4.	Glass Scale (AngleGraticule)		RSEPL-CL-004	TI/D/CGS/002/21	Up to16.04.2023		

Calibrated by

Singh

(Joginder Singh) (Calibration Engineer) AMBALA CANTT (INDIA)

Approved by

(Sunil Kumar) (Quality Manager)

NCQC Valid up to 22 / 12 2023 Reviewed Mg

NCQC System Certificate No. 42



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OBSERVED READINGS

(Calibration of Magnification) SERIAL **UUC READING** STD. READING **UNCERTAINTY** (At 95% C.L.k=2) IN(x-magnification) IN (x-magnification) NO. 20 0.6% 1. 20.0 0.6% 50.0 50 2. 60 100 0.6% 100.0 3.

OBSERVED READINGS (Calibration of X- Stage)

(Calibration of A- Stage)				
SERIAL NO.	UUC READING IN (mm)	STD. KEADING IN(mm)	UNCERTAINTY (At 95% C.L.k=2)	
1.	0.000	0.00	3.0µm	
2.	2.501	2.50	3.0µm	
3.	7.701	7.70	3.0µm	
4.	17.602	17.60	3.0µm	
5.	25.003	25.00	3.0 µm	
6.	50.002	50.00	3.0µm	
7.	75.003	75.00	3.0µm	
8.	100.004	100.00	3.0µm	
9.	150.003	150.00	3.0µm	
10.	175.003	175.00	3.0µm	
11.	190.003	190.00	3.0µm	

OBSERVED READINGS (Calibration of Y- Stage)

SERIAL NO.	UUC READING IN (mm)		STD. READING IN(mm)	UNCERTAINTY (At 95% C.L.k=2)
1.	0.000		0.00	3.0µm
2.	2.502		2.50	3.0µm
3.	7.701		7.70	3.0µm
4.	17.002	1	17.00	-3.0µm
5.	25.001		25.00	3.0 µm
6.	50.003	Le	50.00	3.0µm
7.	75.003		75.00	3.0µm
8.	100.004	200	100.00	3.0µm

Calibrated by

Firsh

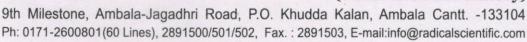
(Joginder Singh) (Calibration Engineer) Approved by

(Sunil Kumar)
(Quality Manager)

(1) This certificate refers only to the particular item submitted for calibration. (2) This certificate shall not be reproduced, except in full, without our written permission. (3) Results reported are valid at the time of & under the stated conditions of measurement. (4) Laboratory Standards are traceable to National/International Standards. For more details please visit: www.radicalscientific.com



Radical Scientific Equipments Pvt. Ltd. (Calibration Laboratory)





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Certificate No RSDI Environment	Page 03 of 03	

OBSERVED READINGS (Calibration of Angular Screen)

SERIAL NO.	UUC READING IN (D/M/S)	STD. READING IN(D/M/S)	UNCERTAINTY (At 95% C.L.k=2)
1	0°0'00"	0°	9.1 sec
1.	30°0'12"	30°	9.1 sec
2.	60°0'09"	60°	9.1 sec
3.	90°0'06"	90°	9.1 sec
4.	120°0'08"	120°	9.1 sec
5.	150°0'10"	150°	9.1 sec
6.	180°0'09"	180°	9.1 sec
7.	210°0'13"	210°	9.1 sec
8.	270°0'12"	270°	9.1 sec
9.	359°59'12"	360°	9.1 sec

Calibrated by

(Joginder Singh) (Calibration Engineer) Approved by

(Sunil Kumar) (Quality Manager)