ARR, OW INSTRUMENTS

6/875, Lakshmi Nagar, Near Government School, Thoppampatti, Coimbatore - 641 017. Mobile: 94433-55420, 82200-55434



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CALIBRATION CERTIFICATE

JOB ORDER NO	AIC/SRF/22-23/220533		PAGE NUMBER		01 of 02			
CERTIFICATE NUMBER	AIC/22-23/220533-01	UL	R NO:CC267422000	0002273F	Date of Issue:25-05-2022			
CUSTOMER ADDRESS	M/S. GOVERNMENT HEAD Q PERIYAKULAM, THENI.	QUARTERS HOSPITAL,						
DEVICE UNDER CALIBRATION DETAILS								
			MICRO PIPETTE					
			THERMO SCIENTIFIC					
MODEL NO			RW09471					
SERIAL NUMBER								
RANGE			10 to 100 μl					
RESOLUTION			0.2 μl					
LOCATION			LAB					
ID NUMBER								
DEVICE UNDER CALIBRATION RECEIVED DATE			24/May <mark>/22</mark>					
CALIBRATION DATE			<mark>24</mark> /May/2 <mark>2</mark>					
RECOMMENDED NEXT DUE DATE			23/May/2 <mark>3</mark>					
CONDITION OF ITEM ON RECEIPT			GOOD					
F	REFER <mark>E</mark> NC <mark>E STA</mark>	N	DARDS DE	TAIL	S			
	MASTER 1		MASTER 2	2	MASTER 3			
NOMENCLATURE	Electronic Balance							
MAKE	Radwag							
MODEL NO	AS60/220.R2							
SERIAL NUMBER	500722							
RANGE	0 to 220g							
TRACEABILITY DETAILS	TC/8471/2022							
VALIDITY	25-Feb-23	C						
MONITORED ENVIRONMENTAL CONDITIONS								
TEMPERATURE (°C)	21.3		RELATIVE HUMIDITY (%RH)		46			
CALIBRATION PROCEDURE	CP-M08-2016		STANDARD USED		ISO 8655 - 6			

CALIBRATED BY

R.UVARAJ

CALIBRATION ENGINEER

SEAL OF ARROW

APPROVED BY

A.MASILAN
TECHNICAL MANAGER

CALIBRATION CERTIFICATE

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CERTIFICATE NUMBER	AIC/22-23/220533-01
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CALIBRATION RESULTS

DUC Readings	Standard Readings @27°C	Deviation	Systematic Error	Random Error	Expanded Uncertainty (±)
μl	μΙ	μl	%	%	μl
10	10.12	-0.12	-1.17	0.07	0.47
20	20.14	-0.14	-0.72	0.10	0.50
40	40.12	-0.12	-0.31	0.06	0.47
80	80.24	-0.24	-0.30	0.13	0.63
100	100.12	-0.12	-0.12	0.07	0.47

REMARKS

- 1. The above mentioned device under calibration was calibrated at Lab.
- 2. The user should determine the suitability of the instrument for its intended use.
- 3. The recalibration interval should be determined on the user requirement.
- 4. The results stated in this certificate relate only to the item calibrated.
- 5. This Calibration certificate shall not be reproduced except in full, without written approval of the laboratory.
- 6. Any correction / Modification in this calibration report kindly inform with in 30 days.
- 7. The indicated uncertainties are expanded uncertainty estimated for a confidence level of approximately 95% for a coverage factor k=2.00.
- 8.Vt2=Vt1[1+g (t2-t1)] This formula is used to compensated the thermal expansion factors at 27°C.
- 9. Calibration of the DUC are traceable to National Standards/International Standards.

MEASURED ENVIRONMENTAL CONDITIONS@LAB

Temperature (°C)	21.3	
Relative Humidity (% RH)	46	
Barometric Pressure (hPa)	966.5	
Water Temperature (°C)	20.3	
Density of water at 21.2 °c = ρw	1.139	μl/mg
Z Factor =	1.0028	μl/mg

CALIBRATED BY

R. X i

R.UVARAJ

CALIBRATION ENGINEER

CBB-17 CBB

SEAL OF ARROW

APPROVED BY

L. CPil

A.MASILAN

TECHNICAL MANAGER