ARR, OW INSTRUMENTS

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



E-mail: arrowinstrument@yahoo.co.in

CALIBRATION CERTIFICATE

JOB ORDER NO	AIC/SRF/22-23/220537	PAGE NUMBER		01 of 02					
CERTIFICATE NUMBER	AIC/22-23/220537-01	ULR NO:CC26742200	0002277F	Date of Issue:25-05-2022					
CUSTOMER ADDRESS	M/S. GOVERNMENT HEAD QUARTERS HOSPITAL, KARUR.								
DEVICE UNDER CALIBRATION DETAILS									
NOMENCLATURE	MICRO PIPETTE	MICRO PIPETTE							
MAKE	THERMO SCIENTI	THERMO SCIENTIFIC							
MODEL NO	PW06224CE	PW06224CE							
SERIAL NUMBER									
RANGE	20 to 200 μl	20 to <mark>200 μl</mark>							
RESOLUTION	1 μ1	1 μl							
LOCATION	LAB	LAB							
ID NUMBER									
DEVICE UNDER CALIBRATION RECEIVED DATE		24-May-22	24-May- <mark>22</mark>						
CALIBRATION DATE		24-May-22	<mark>24-</mark> May-2 <mark>2</mark>						
RECOMMENDED NEXT DUE	23-May-23	<mark>23</mark> -May-2 <mark>3</mark>							
CONDITION OF ITEM ON RE	GOOD	GOOD							
	REFERENCE STA	NDARDS DI	ETAIL PROPERTY OF THE PROPERTY	S					
	MASTER 1	MASTER	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		AHAR						
MONI	TORED ENVIRO	NMENTAL C	CONDI	TIONS					
TEMPERATURE (°C)	21.3	RELATIVE HUMID	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

A.MASILAN
TECHNICAL MANAGER

CALIBRATION CERTIFICATE

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CERTIFICATE NUMBER	AIC/22-23/220537-01		
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CALIBRATION RESULTS

DUC Readings	Standard Readings @27°C	Deviation	Systematic Error	Random Error	Expanded Uncertainty (±)
μl	μl	μl	%	%	μl
20	20.08	-0.08	-0.41	0.02	0.44
50	50.12	-0.12	-0.24	0.04	0.52
100	100.11	-0.11	-0.11	0.03	0.48
150	150.12	-0.12	-0.08	0.04	0.53
200	200.15	-0.15	-0.07	0.06	0.61

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)		966.6	
Water Temperature (°C)	等。自己是以是是任意	20.2	
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

GBB-17

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L. CP:-L

A.MASILAN

TECHNICAL MANAGER