



## ELECTRO METER CORPORATION P- 5, C.I.T ROAD, KOLKATA - 700014

Form No: FM/22 Issue No. 10 and Issue Date: 31-12-2022

## CALIBRATION CERTIFICATE OF:

## AUTO PIPETTE

CALIBRATION CERTIFICATE NO.: EMC2024-KOL-00036415								ULR NO.: CC214724000030951F						Page: 1/1	
1.0 ISSUED TO: MKAS HEALTH CARE PVT. LTD. SANJAY HEIGHTS (2ND FLOOR) GADGADIA SQ. NEAR EM. COLLEGE PIN - 756003 ODISHA, INDIA  1.1 Service Request / Order No.: 45512-L-8															
	scription identification of														
i	Name:	AUTO PIPI			ii	i Code No.: MKAS/MP-04									
iii	Sl. No.:	375544				iv		Make: HIPETTE							
v	Model / Type No.:						i	Range		100µl to 1000µl					
vii	Sensor:		vi	iii	Resolu	lution: 5 μl									
1.2 ix	Location:	Lab				х	x Cal. performed: At lab								
1.3 Ap	plicable specification of	item to be calib	rated: Accuracy /	permissible limit:			Not Specified								
1.4 Da	te of receipt of item:			ate of calibration: 7-Aug-2024											
	commended date for nex	t			9-Aug-2024										
cal	ibration				port Issue Date:										
		Temperati	re:	_	21.6 °C										
1.8a Environmental condition during calibration			Humidity: Atmospheric pressure:				55.9 % RH 1005.6 mbar								
			Water Temperature:				1005.6 mbar 20.4 °C								
1 Oh Re	commended enviroment							C ± 2°C							
	ndition		50% RH ± 10% RH												
1.9 Ba	sis of calibration:	S.O.P Num													
2.0 Standard Equipment Used for Calibration are Traceable to National/International Standards through ISO/IEC: 17025 Accredited Laboratory.															
	Name of the s			· i				Ť	*						
Sl. No.	instrume used (Sl. No./Co	ent	Ra	nge		Resolu	ition	ion		ecommended date for next calibration		Certificate Nos.			
1	Weight Box, Make: M Grade: E1, Sl. No: B30' No. EMC/WB-	9075500, Code	1 mg to 200 g			-				20-04-2025		WMCL/E/2022-04/1794			
2	Micro Balance, Make: Model No: XP6, Sl. No. Code No. EMC/	B713878915,	6.1 g			0.000001 g				12-08-2024		EMC2023-KOL-00004502			
3	Digital Temperature & Make: Metravi, Model No. 141017143, EMC/DTHM	No. HT-3005, Sl. Code No.				0.1°C (for Temperature) & 0.1% RH (for Humidity)				18-03-2025		EMC2024-KOL-00015947			
4	Digital Temperature II Metravi, Model No. D 503, Code No. EM	ndicator, Make: TI-111, Sl. No.	(-)50°C	(-)50°C to 199.9°C			0.1°C			27-10-2024		EMC2023-KOL-00006335			
5	Digital Pressure Gau Pressure) Sl. No. D12 YDPIR0101, Code No:	B151 Model.	el. 0 bar to 1.5 bar (Abs) 574			0.0001 bar			11-10-2024			Wika / WCP/023-686			
Disciplin	ne: Mechanical			G	Group	o: Volume									
						CALIB	BRATION	RESU	LT						
Nominal Range		Resol	ution	Nominal Value		Value determined by Electronic Balance in		ı by	Actual value determined after temp correction in			Error in	Expanded Uncertainty (±)	k factor	
				(யி)		(mg)			(µl)		(	μl)	(µl)		
				100		100.041			10	100.333		333	0.012	2.00	
100 μl	to 1000 μl	5	μl	500		499.812				501.273		273	0.059	2.00	
				1000		999.511			10	1002.432		432	0.120	2.00	
	Note: i) Average of 10 readings had been taken in DUC/STD.  ii) The calibration certificate is issued by Electro Meter Corporation refers only for the particular item submitted to calibrate.														
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	certificate should be pro-							eus ap	proval from	i ine technicai or	me quanty	manager of	uie läb.		
	iv) The results in the calibration certificate are valid at the time and the stated conditions on measurement.  v) The calibration result is only to be used for scientific & industrial purpose and not for commercial purpose.														
									ılt						
Remarks	Measurement uncertainty at approx 95 % of confidence level & at a coverage factor : As Per Calibration Result  Remarks: NA														
	DUC- Device Under Calil	oration		F.SFull Scale						Ph	ysical statu	s of the DUC	C: OK		
	Calibrated	Ву:								Approve	d By:				
	Soumyo Kanti Kundu Saptarshi Das Calibration Engineer Technical Manager														