



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

Form No.: FM/22

## CALIBRATION CERTIFICATE OF: MICRO PIPETTE

CALI	DDATI	ON CERTIFICATE NO	O . EMC2/	021 VOL 000	22254			ULR NO.: CC214721000026533F Page: 1/1								
		ON CERTIFICATE NO	O.: EMC20	BIOCHE GOVT. N SRINAG (F- BLO	EMISTRY DIAGNO MEDICAL COLLEG	ATED SMHS HOSPITA AR,	AL,		JLR NO.:	CC2147210000.	<u> </u>			rage: 1/1		
1.1	Servi	ce Request / Order !	No.:	-												
1.2		ription identification		to be calibrate	rd:											
	i	Name: MICRO PIPETTE						ii	Code No.:	-						
	iii	Sl. No.:			iv	Make:	ABDOS									
	v	Model / Type No.:	-	-					Range:	2μl to 20μl						
	vii	Sensor:	-	-				viii	viii Resolution: 0.5 μl							
	ix															
1.3	Appli	cable specification of	of item to	be calibrated	: Accuracy / perm				± 0.20 μl (As P	er ISO 865	55)					
1.4	Date	of receipt of item:				20-Aug-2021	1.5	Date of cali	bration:			20-Aug-2	2021			
		ecommended date for next libration		20-Aug-2022				Frequency	of calibration	1:			12	months		
	calib	ration														
				Temperature:			20°C ± 2°C									
		vironmental condition during ibration		· ·				50% RH ± 10% RH								
		ation		Atmospheric <sub>J</sub>		1007.6 mbar										
				Water Temper		1	20.2 °C									
			<b>—</b>	S.O.P Number		S.O.P/Mass/08										
1.9	Basis	of calibration:	F	Standard Followed		ISO 8655:2002 & ISO/TR 20461  Calibration of Micropipette using Digital Precision Balance upto 6g/220g, readability 0.001mg/0.01mg and distilled water										
				Description of	f Method	of known density by Gravimetric method as per ISO 8655:2002 & ISO/TR 20461										
2.0	Trac	eability : Standards	s Used fo	r Calibration	are Traceable to	National/Internati		-								
				,												
Sl. No.		Name of the standard instrument used (Sl. No./Code Nos.)			Range			Resolut	ion	Recommended date for next calibration			Traceable to / Certificate Nos.			
1		Weight Box, Mak Grade: E1, Sl. No: B3 EMC/W		500, Code No. 1 mg t		to 200 g		-		18-04-2022		WMCL / WMCL/E/2019-04/2713				
2		Micro Balance, Ma Model No: XP6, Sl	l. No. B71	13878915,	6	5.1 g		0.00000	)1 g	14-08-2022		EMC (Kolkata) / EMC2021-KOL- 00032770				
		Code No. E  Digital Temperatur Make: Metravi, Mo	re & Hum	nidity Meter,		or Temperature) &	0.10	0.1°C (for Temperature) &		40.00.000		EMC (Kolkata) / EMC2021-KOL-				
3		No. 141017 EMC/D	e No. 9		RH (for Humidity)		0.1% RH (for Humidity)		18-03-2022		00011400					
4		Digital Temperatu Metravi, Model No. Code No. E	DTI-111,	, Sl. No. 503, (-)50°C		to 199.9°C		0.1°C		28-10-2021		EMC (Kolkata) / EMC2020-KOL- 00032490				
	5	Digital Pressure Gauge ( Pressure) Sl. No. D12B15 YDPIR0101, Code No: EM(		51 Model. 0 bar to		5 bar (Abs)		0.0001 bar		28-08-2021		Wika / WP19/1137				
						CALIB	RATIO	ON RESULT								
		Nominal Range		Resolution		Nominal Value	•	Value determined by Electronic Balance in		determined after temn		ror n	Expanded Uncertainty (±)	k factor		
						(µl)		fr	ng)	(µl)		ſı	μl)	(µl)		
		2 μl				2		2.052		2.058		0.058		0.003	2.00	
		to		0.5 μl		10		10.043		10.072	2	0.072		0.004	2.00	
		20 μl				20		20.080		20.138				0.004	2.00	
		erage of 10 readings			<u>'</u>											
ii) Tł	ne calil	oration certificate is	issued by	y Electro Mete	er Corporation. Th	is certificate refers on	nly for	the particul	ar item subn	nitted to calibrate						
from	the te	chnical and the qual	ity mana	ger of this lab		e, should be reproduc				the certificate or	an abstrac	t thereof	has to be	got specifically	approved	
-						nder the stated condi purpose. This result o				nurnose"						
<del>-</del>			-							purpose.						
	<b>surem</b> arks:			ity not mentio		a coverage factor : A	s rer (	campration	nesuit							
		DUC- Device Under (		-		F.SFull Scale				Phys	sical status	of the DU	JC: OK			
Calibrated by: Md Naushad									oved by: Sap							
Date: 20-08-2021 Date: 25-08-2021																
Report Issue Date : 25-08-2021									S. Das							
					(N) rule		Technical Manager									
				Ele	ectro Meter Corporati	on	Electro Meter Corporation									

END OF CERTIFICATE