

## TMSCC

TESTING MACHINE SERVICE AND CALIBRATION CENTRE

Precision is Our Destination.......

## An NABL Accredited Calibration Laboratory A Constituent Board of Quality Council of India

An ISO 9001 : 2015 Certified company

Calibration of Various Instruments & Testing Machines...



					Form No.: T	MSCC/R/	23					
				CALIBI	RATION	CERT	TFICA	TE				
CALI	BRAT	ION CERTIFICAT	E NO.:	2023/06/96		CERT					Page 1 of	
SSU	DAT	E:		5-Jun-2023	<u> </u>						1-9-1-4	
ULR	No.:			CC3125230000070131	7							
1.0	ISSUED TO: M/s.: Suraha Specialit 167, Beharapara, H.C. 24.Parganas(S), Kolka				•							
1.1	Service Request Form No.: SRF/2023/06/02/02							No State Barre		450	4.4	
1.2	Service	ce Request Date:	02-06-2023	· Market States								
<u>1.3</u>	Locat	ion:	120	At Lab								
1.4	Description identification of item to be calibrated:									W.		
	i Name:		M	icro Pipette	ü	ii Make: Thermo Scie				ientific		
	iii	- 1		F3			S/L No.	: r :	SW28504			
1.4	y I.D.No.:						Job Cod	le No:	2023/06/9	100 y 169		
	vii Range:			(20 - 200) µl			Resoluti	2 (d) 100 y 1 10	0.2 μ1			
	ix Accuracy			As Per ISO 8655-6			End Use					
1.5	Full /	Partial Calibration:	ll Calibration	2.5%	<u>x</u>   End User :   -				1400 m			
_	- Asc										1777	
<u>1.6</u>	Applicable specification of item to be calibrated: Accuracy / permissible limit:											
<u>1.7</u>	Date	of receipt of item:		2-Jun-2023	1.8 Date of calibration:				2-Jun-2023			
1.9	Calib	ration due on:	1-Jun-2024	2.0 Frequency of calibration once in:					12 Months			
<u>2.1</u>	Environmental condition during		uring Te	nperature: 20.3 °C							E E	
	calibration			nidity: 54 % RH								
2.2	Basis of calibration: S			2/04/02								
2.3												
	Name of the Instrument			Sl. No./ Id No. Certificate No. Lab Certificate Calibrated On Due O								
	Digital Weighing Balance		ice	(TMSCC/EB/01) (Sl. No 14255716)	TSC/22-23/12101-2			No. CC - 2231	15-11-2022		15-11-2023	
	Digital Temperature Indicator with Sensor(RTD)		1 - 1	Sl. No 18K588073 Sensor Sl. No 19102403)	TSC/22-23/12095-36			CC - 2231	17-11-2022		17-11-2023	
137				CAI	IBRATIC	ON RES	ULTS		Alaga ar		3	
SL	No.	Denomination Volume in µl		ved Reading at Ref. Std. Balance in g vg. of five readings)	Density of De ionized Water in g/ml	1957 P	ume in µl	Error in µl	MPE in ± μl	Measurement Uncertainty in ± μl	Acceptence Criteria	
	44	20		0.01998	0.998141	20.01	1730	0.01730	0.20	1.95	Pass	
2	200	50		0.04995	0.998141	50.04	325	0.04325	0.50	1.95	Pass	
3		70		0.06993	0.998141	70.06	5055	0.06055	0.80	1.95	Pass	
4		100		0.09990	0.998141	100.0	8650	0.08650	0.80	1.95	Pass	
. :	VESS he			0.19980	0.998141	200.17300		0.17300	1.60	1.95	Pass	
Meas	rement Uncertainty at 95% confiden			ce level where coverage fa	e level where coverage factor, k=2							
Rema Stand	rks: T	he above DUC has	been calib	rated over its above range &	the readings	observed a	re tabulate	d above. The refe	erence stand	ard used is trace	able to Nation	
_		e I Inder Calibration	1000	6 C. 6384				-AF	2000			
UC:	Devic	e Under Calibration						200	2000			

J. Bhatticharjee (Sr. Calibration Engineer)

Physical status of the Instrument : Ok

Checked By:
S. Chowdhury
(Quality Manager)

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C. Glock
(Technical Director)

**END OF CERTIFICATE**