

Name of the Instrument

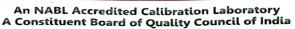
Digital Weighing Balance

Digital Temperature Indicator

with Sensor(RTD)

# TMSCC

TESTING MACHINE SERVICE AND CALIBRATION CENTRE
Precision is Our Destination......



Form No.: TMSCC/R/23

An ISO 9001 : 2015 Certified company

Calibration of Various Instruments & Testing Machines...



				FORM N	0.: 11	visce/i	K/23				
				<b>CALIBRATIO</b>	ON	CER	TIFI	CATE			
		TION CERTIFICATE NO	2023/03/425							Page 1 of 2	
ISSUE DATE :				17-Mar-2023							
ULR No. :				CC312523000002554F							
<u>1.0</u>	ISSU	JED TO:	M/s.: Anubhab Life care 2/8, Jessore Road(East),Genjimill, Near Barasat Medical College, Barasat, North 24 pgs,W.B								
1.1	Serv	ice Request Form No. :	SRF/2023/03/11/01								
<u>1.2</u>	Service Request Date : 11-03-2023										
1.3	Loca	tion:	At Lab								
1.4	Description identification of item to be calibrated:										
	i Name:		Micro Pipette			ii	Make:		FIXA PIPETTE		
	<u>iii</u>	Model / Type No.:				iv	S/L No.:				
	<u>v</u>	<u>y</u> I.D.No.:		ALC/MIP/F1			Job Code No: 2023/03/425			5	ė
	<u>vii</u>	vii Range:		(100) µl			Resolution:				
	<u>ix</u>	Accuracy	As Pe	er ISO 8655-6		<u>x</u>	End U	Jser:	] <b></b>		43
1.5	Full /	/ Partial Calibration: Full Calibration									
1.6	Applicable specification of item to be calibrated: Accuracy / permissible limit: Not Specified.										
1.7	Date	ate of receipt of item: 11-Mar-2023 1.8					Date of calibration: 11-M				
1.9	Calib	libration due on: 11-Mar-2024 <u>2.0</u> Frequency of calibration once in: 366						366	Days		
	Environmental condition during		Temperature: 25°C ±			± 4°C					
	calibr	ation	Humidity: $(50 \pm 10)\%$ RH								
2	Basis	of calibration:	SOP/0	04/02							
The	abov	e Instrument has been cali	brated	over its range and the re	sults a	are tabu	lated fr	om page 2	of report.		
easur	ments	ration Certificates relates of								the stated con	nditions of
Erro	rs if a	ny, in this certificate shall	be bro	ught to notice within 45	days	from the	date o	f this cert	ificate.		
NAE	3L-13	3 guidelines are adopted for	r use c	of NABL symbol.							
		icate shall not be reproduc									densi.
Corr dition	ection nal dat	s/erasing. invalidate the Cata( To be filled by custome	alibrati er autho	ion Certificate- exception orized signatory and not	n to th unde	ne 'Fina r calibra	Page of	or Part of coratory c	this Report- pontrol).	provided for in	acorporation of
Labo	ratory	Standards are traceable to	o Natio	onal Standards							
ln Re	sult S	heets, 'Pass' indicates mea- icates no specification limi	sured r	eadings are within speci	ificati	on limit,	'Fail' l	ndicates n	neasured read	ings are out o	f specification
3 T	racea	bility: Standards used for	calibra	tion are traceable to Na	tional	Standa	rds thro	ough NAE	L accredited	Laboratory.	
<u>-</u>											

Sl. No./ Id No.

(TMSCC/EB/01)

(Sl. No.- 14255716)

Sl. No.- 18K588073

(Sensor Sl. No. - 19102403)

Certificate No.

TSC/22-23/12101-25

TSC/22-23/12095-36

Lab Certificate No.

CC-2231

Calibrated On

15-11-2022

17-11-2022

Due On

15-11-2023

17-11-2023



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

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CC - 3125

Form No.: TMSCC/R/23

CC No.: 2023/03/425
Date: 17-03-2023

Page No.: 2 of 2

#### **CALIBRATION RESULTS**

Recorded Temperature: 20.1'C

Sl. No.	Denomination Volume in µl	Observed Reading at Ref. Std. Balance in g	Density of De-ionized Water in g/ml	Actual volume in µl	Mean Volume in µl	Error in µl	MPE in ± μl	Measurement Uncertainty in ± μl	Acceptence Criteria
1	100	0.09983	0.998183	100.01663					Pass
2	100	0.09993	0.998183	100.11190					Pass
3	100	0.09978	0.998183	99.96163	100.04075	0.04075	0.5	1.83	Pass
4	100	0.09980	0.998183	99.98167					Pass
5	100	0.09995	0.998183	100.13194	1				Pass

Measurement Uncertainty at 95% confidence level where coverage factor, k=2

Remarks: The above DUC has been calibrated over its above range & the readings observed are tabulated above. The reference standard used is traceable to National Standard.

DUC: Device Under Calibration

Physical status of the Instrument : Ok

Calibrated By:

J. Bhattacharjee

(Sr. Calibration Engineer)

Checked By:

S. Chowdhury

(Quality Manager)

Approved By

SH

(Technical Director)

### **END OF CERTIFICATE**

