MEASURE TECHNO LAB

2, B.T. ROAD (JAYANTI CINEMA COMPLEX), BARRACKPORE, KOLKATA - 700120, W.B.

hone: 033 - 2215 - 0032, 2215 - 9687, 8100875519, Mobile: 9831190974, LAB:- 8100143376, E-mail: measuretechno@yahoo.co.in

CALIBRATION CERTIFICATE OF MICRO PIPETTE

ATION CERTIFICATE NO.:MTL / D / R11 / 06 - 24

ULR - CC254524000029526F

Page: 1 of 1

Service Request No.: MTL / 14G / 06 / 25 - 26

Issued to:

M/s. Diagnostics,

190B, Rashbehari Avenue,

Kolkata - 700029.

Description &

a) Name:

Micro Pipette

b) Code No .:

DIA / BIO / MP - 03

ntification of item

c) Sl. No .: e) Model / Type:

N.S. N.S.

d) Make:

Precica

e Calibrated: g) Sensor:

f) Range:

20 µl to 200 µl

i) End User:

N.A.

h) Resolution:

1 µl

k) Calibration done at:

Biochemistry

j) Accuracy:

N.S.

Date of receipt of item :

25-06-24

On Site / √ In House

OK

nate of calibration :

1.4 Physical Condition of DUC: 1.6 Recommended date of next calibration:

26-06-25

Date of Issue:

26-06-24 29-06-24

20 °C ± 2 °C

Environmental Conditions During Calibration:

Temperature: Humidity:

30 % RH to 75 % RH

Pressure:

998.2 mbar

Method of Calibration:

SOP / MASS / 02 (As Per ISO : 8655 - 6 : 2022)

) Traceability:

a)Standards used for calibration are traceable to National standards through NABL Accredited Laboratory.

b)The following standards / Equipment have been used.

Weights Cal. Certificate No. NC-210

(NSTAR, Ahmedabad)

(Cal. Date: 16/05/22, Due Date: 15/05/25)

Digital Thermometer With Sensor Cal. Certificate No. MTL / TH / DTM / R01 / 09 - 23

(MTL, Barrackpore)

(Cal. Date: 15/09/23, Due Date: 15/09/24)

Result:

chanical Calibration: (Mass & Volume)

SL. No.	Parameter/ Range	Nominal Value µl	Mass of Water mg	Volume of Water at 20 °C μl	Error µl	Measurement Expanded Uncertainty ± μl
1.	Volume	20	20.6309	20.7134	0.7134	0.36
2.	20 µl to 200 µl	100	100.5662	100.9685	0.9685	0.37
3.		200	200.4936	201.2956	1.2956	0.38

emarks: i) Cubical Expansion co - efficient of pipette material taken as 10.5 μl / °k.

ii) This result has an expanded uncertainty with a coverage factor k=2 at approximately 95% confidence level.

iii) The calibration certificate issued for this instrument is to be used for scientific or industrial purposes only.

iv) Calibrations are carried out without any adjustment or repair.

DUC - Device Under Calibration

N.S. - Not Specified

N.A. - Not Applicable

Opinions and Interpretations Calibrated Accepted / Valid for use Limited Use Rejected / Out of use

Calibrated by:

Calibration Engine discretton Enghage Lab. Kolkata

Approved by:

chnical Manager

orm No. - MTL/22/2006

Issue No.: 2 Issue Date: 10.11.06

Rev. No.: 04 Rev. Date: 01.04.22