

THE PIPETEMANN

NABL ACCREDITED CALIBRATION LABORATORY
ADDING ACCURACY TO YOUR EQUIPMENT

MASS - VOLUME - THERMAL - SPEED - PRESSURE - TIMER - ELECTRO TECHNICAL



CERT. NO. CC - 2317

CALIBRATION CERTIFICATE

CUSTOMER ADDRESS : M/s. SRI BABA DIAGNOSTICS CENTRE (TPM 835),
NO.6 VELAI CHETTI STREET,
UTHIRAMERUR,
KANCHIPURAM,
CHENNAI 603406
Phone No.: 044-27272752, 9585318761

UNIQUE LAB REPORT NUMBER : ULR-CC231720000003532F	DISCIPLINE : MECHANICAL CALIBRATION
NAME OF EQUIPMENT : MICROPIPETTE	PARAMETER : VOLUME
CERTIFICATE NO : TPMCC201044039	DATE OF ISSUE : 21-10-2020
RECEIPT NO : 9453	TEMPERATURE : 23.2 °C
RECEIPT DATE : 17-10-2020	HUMIDITY : 52 %
JOB CARD NO : TPM859102042462	AIR PRESSURE : 961 hpa
JOB CARD DATE : 17-10-2020	MEDIUM OF WEIGHING : GRADE III WATER
BRAND : FINNPIPETTE- F3	DENSITY OF MEDIUM : APPROXIMATELY 1
RANGE : 1000 µl - Fixed Volume	DENSITY CORRECTION FACTOR [Z] : 1.0033 µl/mg
SERIAL NO : RW04082	CALIBRATION METHOD : ISO 8655:2002 PART - 6
TIPS USED : 1000 µl	WEIGHING BALANCE : SEMI MICRO BALANCE
SCOPE OF ACCREDITATION : VOLUME - MICROPIPETTE (1 µl - 10000 µl)	

DETAILS OF MASTER EQUIPMENTS USED FOR CALIBRATION

MASTER EQUIPMENT : SHIMADZU
SL.NO : D450020184
RESOLUTION : 0.00001g upto 82g & above is 0.0001g
CALIBRATED BY : THE PIPETEMANN (MASS), COIMBATORE
CERTIFICATE NUMBER : TPMCCM20020237
CALIBRATION VALIDITY : 07-02-2021
TRACEABILITY : NATIONAL STANDARDS

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CERT. NO. CC - 2317

CERTIFICATE NO: TPMCC201044039

CALIBRATED PARAMETER : VOLUME

NO.OF MEASUREMENTS : 10

I) NOMINAL VOLUME : 1000 μ l

999.99 μ l	1000.1 μ l	1000.04 μ l	1000.1 μ l	999.99 μ l	1000.1 μ l	999.99 μ l	1000.1 μ l	1000.08 μ l	1000.1 μ l
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MEAN VALUE : 1000.06 μ l

SYSTEMATIC ERROR(es) : 0.06 μ l

RANDOM ERROR (Sr) : 0.05 μ l

Standard Limit Value

(\pm 8.0 μ l)

(\pm 3.0 μ l)

CALIBRATED ON : 21-10-2020

CALIBRATION DUE ON : 20-10-2021

RESULTS :

RANGE	MEASUREMENT UNCERTAINTY	CMC (approved by NABL)
1000 μ l	0.07 μ l	0.07 μ l

With coverage factor k is 2 for effective degrees of freedom is ∞ and the confidence level is 95%

CALIBRATED BY :

APPROVED BY :

(S.LOGANATHAN)

CALIBRATION ENGINEER

(K. BALA MAYUR PRIYAN)

TECHNICAL MANAGER

- NOTE :
- 1.Master equipments used for calibration are traceable to National standards
 - 2.The calibration results reported are valid at the time of and under the stated condition of the measurement
 - 3.Results presented in this certificate relate only to the item mentioned & calibrated at
 - 4.This certificate shall not be reproduced except in full without written approval of

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PIPETTE CALIBRATION REPORT

Product code: 4650080
Description: Finnpiquette F3 Fixed 1000µl
Pipette SN: RW04082 Module SN: -
Tip: Finntip 1000
Nr. of channels: 1

Manufacturer: Thermo Fisher Scientific, India Pvt. Ltd., D-96, C Road, MIDC Satpur, Nashik - 422007
Tested by: 10829355

Date:	3/4/20	Time:	1:59:26 PM
Balance:	Mettler XP205	Balance SN:	B115129036, Calibrated 13.11.19
Environment device:	Almemo 2590-4AS	Env dev SN:	H19070544, Calibrated 09.10.19
Air temperature:	27.54 °C	Water temperature:	26.55 °C
Humidity:	52.3 %	Air pressure:	941.2 hPa
Z-factor:	1.0043		

Volume: 1000 µl

1	1000.2
2	999.9
3	1000.5
4	1000.6
5	1000.1

Mean 1000.2 µl
A 0.2 µl
s 0.3 µl
Acc% 0.02
CV% 0.03

PASSED

Manufacturer specifications:

Max. volume: 1000 µl
A± 3 µl
s 3 µl
Acc%± 0.30
CV% 0.30

Manufacturer specifications meet the requirements of ISO 8655