

THE PIPETEMANN

NABL ACCREDITED CALIBRATION LABORATORY

ADDING ACCURACY TO YOUR EQUIPMENT

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



CALIBRATION CERTIFICATE

CUSTOMER ADDRESS : M/s. ANNAI DIAGNOSTIC LAB, ALAPAKKAM MAIN ROAD, NEAR POLICE QUARTERS, KOLLCHVALI CUDDALORE 607301. Phone No.: 9488788005,9865694005.	
UNIQUE LAB REPORT NUMBER : ULR-CC23172100003338F	DISCIPLINE : MECHANICAL CALIBRATION
NAME OF EQUIPMENT : MICROPIPETTE	PARAMETER : VOLUME
CERTIFICATE NO : TPMCC210948346	DATE OF ISSUE : 10-09-2021
RECEIPT NO : 10204	TEMPERATURE : 23.7 °C
RECEIPT DATE : 08-09-2021	HUMIDITY : 53 %
JOB CARD NO : TPM814092146769	AIR PRESSURE : 962 hpa
JOB CARD DATE : 08-09-2021	MEDIUM OF WEIGHING : GRADE III WATER
BRAND : I - PETTE	DENSITY OF MEDIUM : APPROXIMATELY 1
RANGE : 100 - 1000 µl	DENSITY CORRECTION FACTOR [Z] : 1.0036 µl/mg
SERIAL NO : NIL	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	: SARTORIUS
SL.NO	: 19402655
RESOLUTION	: 0.00001 g upto 80 g & above is 0.0001 g
CALIBRATED BY	: THE PIPETEMANN(MASS),COIMBATORE
CERTIFICATE NUMBER	: TPMCCM21050303
CALIBRATION VALIDITY	: 05-05-2022
TRACEABILITY	: NATIONAL STANDARDS

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CERTIFICATE NO: TPMCC210948346

CALIBRATED PARAMETER : VOLUME
NO.OF MEASUREMENTS : 10

I) NOMINAL VOLUME : 1000 μ l

1005.39 μ l	1005.27 μ l	1005.19 μ l	1005.23 μ l	1005.3 μ l	1005.36 μ l	1005.31 μ l	1005.35 μ l	1005.37 μ l	1005.4 μ l
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MEAN VALUE : 1005.32 μ l
SYSTEMATIC ERROR(es) : 5.32 μ l
RANDOM ERROR (Sr) : 0.07 μ l

Standard Limit Value
(± 8.0 μ l)
(± 3.0 μ l)

CALIBRATED ON : 10-09-2021


CALIBRATION DUE ON : 09-03-2022

RESULTS :

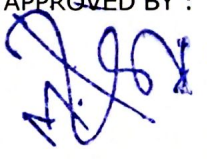
RANGE	MEASUREMENT UNCERTAINTY	CMC (approved by NABL)
1000 μ l	0.07 μ l	0.07 μ l

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

CALIBRATED BY :


(K.BALAMAYURPRIYAN)
TECHNICAL MANAGER

APPROVED BY :


(M.PALANISELVAN)
TECHNICAL DIRECTOR

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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