

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-CC231721000003337F	DISCIPLINE : MECHANICAL CALIBRATION
NAME OF EQUIPMENT : MICROPIPETTE	PARAMETER : VOLUME
CERTIFICATE NO : TPMCC210948345	DATE OF ISSUE : 10-09-2021
RECEIPT NO : 10204	TEMPERATURE : 23.6 °C
RECEIPT DATE : 08-09-2021	HUMIDITY : 53 %
JOB CARD NO : TPM814092146768	AIR PRESSURE : 962 hpa
JOB CARD DATE : 08-09-2021	MEDIUM OF WEIGHING : GRADE III WATER
BRAND : ERBA BIOHIT	DENSITY OF MEDIUM : APPROXIMATELY 1
RANGE : 5 - 50 µl	DENSITY CORRECTION FACTOR [Z] : 1.0036 µl/mg
SERIAL NO : 8126184	CALIBRATION METHOD : ISO 8655:2002 PART - 6
TIPS USED : 200 µl	WEIGHING BALANCE : MICRO BALANCE
SCOPE OF ACCREDITATION : VOLUME - MICROPIPETTE (1 µl - 10000 µl)	

DETAILS OF MASTER EQUIPMENTS USED FOR CALIBRATION

MASTER EQUIPMENT	: SARTORIUS MICRO BALANCE
SL.NO	: 28001417
RESOLUTION	: 0.000001g upto 6.1g
CALIBRATED BY	: THE PIPETEMANN(MASS),COIMBATORE
CERTIFICATE NUMBER	: TPMCCM21030288
CALIBRATION VALIDITY	: 01-03-2022
TRACEABILITY	: NATIONAL STANDARDS

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CERTIFICATE NO: TPMCC210948345

CALIBRATED PARAMETER : VOLUME

NO.OF MEASUREMENTS : 10

I) NOMINAL VOLUME : 50 μ l

49.7 μ l	49.71 μ l	49.71 μ l	49.72 μ l	49.72 μ l	49.73 μ l	49.71 μ l	49.72 μ l	49.73 μ l	49.7 μ l
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MEAN VALUE : 49.72 μ l
SYSTEMATIC ERROR(es) : -0.28 μ l
RANDOM ERROR (Sr) : 0.01 μ l

Standard Limit Value
(\pm 0.5 μ l)
(\pm 0.2 μ l)

CALIBRATED ON : 10-09-2021

CALIBRATION DUE ON : 09-03-2022

RESULTS :

RANGE	MEASUREMENT UNCERTAINTY	CMC (approved by NABL)
50 μ l	0.01 μ l	0.01 μ l

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

CALIBRATED BY :

(R.JANARTHANAN)
DEPUTY TECHNICAL MANAGER

APPROVED BY :

(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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