

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. K.G CLINICAL LABORATORY, 526/4, PUTHANPURACKAL BUILDING, 7TH MILE, ANAKKARA, IDUKKI 685512 Phone No.: 9562701052	
UNIQUE LAB REPORT NUMBER : ULR-CC231722000004867F	DISCIPLINE : MECHANICAL CALIBRATION
NAME OF EQUIPMENT : MICROPIPETTE	PARAMETER : VOLUME
CERTIFICATE NO : TPMCC221154936	DATE OF ISSUE : 08-11-2022
RECEIPT NO : 11324	TEMPERATURE : 23.4 °C
RECEIPT DATE : 07-11-2022	HUMIDITY : 60 %
JOB CARD NO : TPM729112253359	AIR PRESSURE : 967 hpa
JOB CARD DATE : 07-11-2022	MEDIUM OF WEIGHING : GRADE III WATER
BRAND : HITEK	DENSITY OF MEDIUM : APPROXIMATELY 1
RANGE : 50 µl - Fixed Volume	DENSITY CORRECTION FACTOR [Z] : 1.0035 µl/mg
SERIAL NO : 071301121	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	: TPMCCM22030365
CALIBRATION VALIDITY	: 28-02-2023
TRACEABILITY	: NATIONAL STANDARDS

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CERTIFICATE NO: TPMCC221154936

CALIBRATED PARAMETER : VOLUME

NO.OF MEASUREMENTS : 10

I) NOMINAL VOLUME : 50 μ l

49.77 μ l	49.8 μ l	49.81 μ l	49.8 μ l	49.83 μ l	49.79 μ l	49.8 μ l	49.8 μ l	49.78 μ l	49.8 μ l
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MEAN VALUE : 49.80 μ l

Standard Limit Value

SYSTEMATIC ERROR(es) : -0.2 μ l

(± 0.5 μ l)

RANDOM ERROR (Sr) : 0.02 μ l

(± 0.2 μ l)

CALIBRATED ON : 08-11-2022

CALIBRATION DUE ON : 07-11-2023

RESULTS :

RANGE	MEASUREMENT UNCERTAINTY	CMC (approved by NABL)
50 μ l	0.03 μ l	0.03 μ l

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

CALIBRATED BY :

APPROVED BY :

(M.VINOTH KUMAR)

DEPUTY TECHNICAL MANAGER

(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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