

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-CC231722000004866F	DISCIPLINE : MECHANICAL CALIBRATION
NAME OF EQUIPMENT : MICROPIPETTE	PARAMETER : VOLUME
CERTIFICATE NO : TPMCC221154935	DATE OF ISSUE : 08-11-2022
RECEIPT NO : 11324	TEMPERATURE : 23.4 °C
RECEIPT DATE : 07-11-2022	HUMIDITY : 60 %
JOB CARD NO : TPM729112253358	AIR PRESSURE : 967 hpa
JOB CARD DATE : 07-11-2022	MEDIUM OF WEIGHING : GRADE III WATER
BRAND : HITEK	DENSITY OF MEDIUM : APPROXIMATELY 1
RANGE : 10 µl - Fixed Volume	DENSITY CORRECTION FACTOR [Z] : 1.0035 µl/mg
SERIAL NO : 120902929	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

THE PIPETEMANN



NABL ACCREDITED CALIBRATION LABORATORY

ADDING ACCURACY TO YOUR EQUIPMENT

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



CERTIFICATE NO: TPMCC221154935

CALIBRATED PARAMETER : VOLUME		
NO.OF MEASUREMENTS : 10		
I) NOMINAL VOLUME : 10 μ l		
9.96 μ l	9.95 μ l	9.96 μ l
9.98 μ l	10 μ l	9.97 μ l
9.95 μ l	9.98 μ l	9.97 μ l
9.95 μ l		
MEAN VALUE : 9.97 μ l	Standard Limit Value	
SYSTEMATIC ERROR(es) : -0.03 μ l	(\pm 0.12 μ l)	
RANDOM ERROR (Sr) : 0.02 μ l	(\pm 0.08 μ l)	
CALIBRATED ON : 08-11-2022		CALIBRATION DUE ON : 07-11-2023
RESULTS :		
RANGE	MEASUREMENT UNCERTAINTY	CMC (approved by NABL)
10 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 :
		
(P.VIGNESH)		(K.BALA MAYUR PRIYAN)
CALIBRATION ENGINEER		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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