Medical Engineering & Services
Things Beyond Thoughts
ISO 9001-2015 certified company

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# CERTIFICATE OF CALIBRATION

**Certification No: MES/201126/C1**

**Calibrated for: THALUK HEAD QUARTERS HOSPITAL,ICTC LAB,HARIPAD.**

**DEVICE UNDER CALIBRATION**

| | | | |
|---|---|---|---|
| **EQUIPMENT** | **: MICRO PIPETTE** | | |
| **RANGE** | **: 10-100µl** | **MAKE** | **: DR.PETTE** |
| **SL.NO/ID** | **: NA/80042448** | **MODEL NO** | **: NA** |
| **NO OF CHANNELS** | **: 1** | **Resolution of DUC: 1 µl** | |
| **Date of Calibration** | **: 26/11/2020** | **Next calibration due : 25/11/2021** | |
| **Calibrated at** | **: Permanent Facility** | **Condition of item: Good** | |

Certified that the above instrument has been calibrated by trained technical person. The calibration Results attached with the certificate are authentic quantitative analysis report of the related instrument's which are calibrated and under valid traceability on the date of calibration.

Date of issue : **26/11/2020**

**Calibrated by :**

PRABIN. K P

(Lab In Charge )

**Approved Signatory**

BINOJ THOMAS

(Quality /Technical Manager)

# CALIBRATION REPORT

**Certification No: MES/201126/C1**

## CALIBRATION RESULT OF MICROPIPETTE

| Sl. No. | Set Volume µl | Actual Volume µl | # Expanded uncertainty (µl) | Coverage factor (k) |
|---|---|---|---|---|
| 1 | 10 | 9.95 | ± 0.41 | 2 |
| 2 | 50 | 49.96 | ± 0.409 | 2 |
| 3 | 100 | 99.99 | ± 0.409 | 2 |

# The reported expanded uncertainty is the uncertainty in measurement multiplied by the coverage factor k corresponds to a normal distribution at a confidence level of 95.45%.

**Environmental Factors:**

Temperature: 26.5 ° C ± 1 ° C

Air pressure: 1003 mbar

Double distilled water,

Relative humidity: 55 %

**Note:**

- The results in this certificate are only related to DUC submitted calibration.
- Results Presented in this certificate & report shall not be reproduced except in full without the written approval of this centre.
- Next calibration due date mentioned as per customer requirement.
- All results reported are valid at the time of calibration and under stated condition of measurements
- The recalibration interval should be determined based on the user requirement.
- Calibration certificate issued for scientific or industrial purpose only.
- Calibration is carried out as per MES work procedure: MES/WP/VOLUME.