ISO/IEC 17025:2005
Certificate No.: CC-2705

3/03/2020

# CALIBRATION REPORT STATUS : PASSED

**DESCRIPTION :** Fixed Volume Pipette FV-500(500 µl)

**DEVICE ID :** 16411891 **CALIBRATION DATE :** 3/03/2020 5:15 PM

**Method ID :** FV/500 **TERMINAL ID :** 20

## ENVIRONMENTAL FACTORS

**TEMP :** 20.00 °C **Z FACTOR :** 1.0026 mm³/mg **BARO. PRESSURE :** 80.00 KPa **REL. HUMIDITY :** 60.00%

## CALIBRATION STATISTICS

| | | | | | | Inaccuracy E% | | Imprecision CV% | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Vol (µl) | No | Cum Wt (mg) | Vol (µl) | Mean (µl) | SD (µl) | Actual | Target | Actual | Target | Status |
| 500.000 | 1 | 497.700 | 498.994 | 498.593 | 0.695 | 0.281 | 0.60 | < 0.20 | 0.20 | PASSED |
| | 2 | 994.200 | 497.791 | | | | | | | |
| | 3 | 1491.900 | 498.994 | | | | | | | |

Conforms To ISO:8655 Quality Control Standards

Incharge Q-C

| Volume | Above 10 µl to 100 µl | Above 100 µl to 1000 µl | Above 1 ml to 10 ml | Above 10 ml to 100 ml | Based on data in the records |
|---|---|---|---|---|---|
| Uncertainty (k=2) | 0.1 µl | 0.1 µl | 0.1 µl | 4 µl | |

- Specifications conform to ISO:8655 standards.
- Each instrument is individually calibrated on electronic balance.
- 750 mmHg = 99.98 kPa.
- Weight in mg or g.
- Volume, Mean & S.D. in ml or µl.

Reference standard

The instrument is calibrated using a standard electronic balance with calibration traceability to NPL.

The reported expanded uncertainty of measurement is calculated by multiplying the standard uncertainty of measurement by the coverage factor k=2, which for normal distribution corresponds to a coverage probability of approximately 95%.