

Settings: 5 ul

5.01

5.12

0.0050

0.0051

4

MATOSHREE INSTRUMENTS™

Works: EL-107, 'Abhinav', 3rd Floor, T.T.C. Industrial Area, MIDC Mahape, Navi Mumbai - 400710. Mobile No.: 9702578323. Email: matoshree.instruments@gmail.com.

Calibration Certificate

Pipette

Certificate No: MI 2012009

PGM Diagnostic Request Date: 08.12.2020 Shop No. 41/42, G- Wing, Received on: 08.12.2020 Service Requested by: Gokul Nagari - II, W.E. Highway, Dattani Road, Physical Condition: Good Kandivali - East, Mumbai - 400101 Details of Instrument/Unit Under Calibration (UUC) Instrument Name: **Pipette** Manufacturer: Thermo Scientific Calibration Date: 08.12.2020 Model: Finnpipette F3 07.12.2021 Next Cal. Due: Serial No.: KW05383 Id. No.: Calibrated at: Lab Page: 01 of 02 **Ambient Conditions** Temperature 25.0 ± 2 °C **Relative Humidity** 51.6 %RH ± 5 %RH **Calibration Specifications Least Count Parameters** Range 0.1μ l $5 - 50 \mu$ l Volume Reference Standards Used Certificate No. Cal. Date **Due Date** Make ID No. Equipment 2020/00676 MI-022 10.08.2020 09.08.2021 Citizen Weighing Balance Pipette is Calibrated by comparison with Standards. Calibration Procedure: Observations:

| Trial No. | Weight Indicated in gram | Calculated Valume in µl | Difference in μl | Mean Value In µl | Standard Deviation | C.V. in % |
|-----------|--------------------------------|-------------------------|---------------------|---------------------|--------------------|-----------|
| 1 | 0.0049 | 4,91 | -0.09 | | | |
| 2 | 0.0049 | 4.91 | -0.09 | | | |
| 3 | 0.0050 | 5.01 | 0.01 | 4.99 | 0.08 | 1.68 |

0.01

0.12

Acceptable Criteria: ± 0.13µl

p at 25°C =

0.99704

Scanned with CamScanner



MATOSHREE INSTRUMENTS™

Works: EL-107, 'Abhinav', 3rd Floor, T.T.C. Industrial Area, MIDC Mahape, Navi Mumbai - 400710. Mobile No.: 9702578323. Email: matoshree.instruments@gmail.com.

Calibration Certificate

Pipette

Certificate No: MI 2012008

PGM Diagnostic Request Date: 08.12.2020 Shop No. 41/42, G- Wing, Received on: 08.12.2020 Service Requested by: Gokul Nagari -II, W.E. Highway, Dattani Road, **Physical Condition:** Good Kandivali - East, Mumbai - 400101 Details of Instrument/Unit Under Calibration (UUC) Instrument Name: **Pipette** Manufacturer: Thermo Scientific Calibration Date: 08.12.2020 Model: Finnpipette F3 Next Cal. Due: 07.12.2021 Serial No.: LW03348 Id. No.: Calibrated at: Lab Page: 01 of 01 **Ambient Conditions** Temperature 24.9 ± 2 °C **Relative Humidity** 52.8 %RH ± 5 %RH **Calibration Specifications Parameters** Range Least Count Volume 500µl Fixed Reference Standards Used Equipment Make ID No. Certificate No. Cal. Date Due Date Weighing Balance Citizen MI-022 2020/00676 10.08.2020 09.08.2021 **Calibration Procedure:** Pipette is Calibrated by comparison with Standards.

Observations:

| | Settings: 500 μl | | Acceptable Criteria: ± 5 μl | | ρ at 25°C = 0.99704 | |
|-----------|--------------------------------|-------------------------|-----------------------------|---------------------|---------------------|-----------|
| Trial No. | Weight Indicated in gram | Całculated Valume in µl | Difference in µl | Mean Value In μl | Standard Deviation | C.V. in % |
| 1 | 0.4977 | 499.18 | -0.82 | | | Avelta. |
| 2 | 0.4979 | 499.38 | -0.62 | 499.80 | 0.64 | 0.13 |
| 3 | 0.4989 | 500.38 | 0.38 | | | |
| 4 | 0.4991 | 500.58 | 0.58 | | | |
| 5 | 0.4980 | 499.48 | -0.52 | | | |

Note:

UUC: Unit under calibration

Uncertainty has been calculated for a coverage factor k=2 corresponding to approximately 95% Confidence Level

The Standard maintained are traceable to National/International Standard through accredited Laboratories.

The observations reported represent values at the time of the measurements and under the stated condition. They do not convey any long term stability information.

Authorized By:

Name:





MATOSHREE INSTRUMENTS™

Works: EL-107, 'Abhinav', 3rd Floor, T.T.C. Industrial Area, MIDC Mahape, Navi Mumbai - 400710. Mobile No.: 9702578323. Email: matoshree.instruments@gmail.com.

Calibration Certificate

Pipette

Certificate No: MI 2012007

| | | PGM Diagnostic | PGM Diagnostic | | | 08.12.2020 | |
|-----------------------|------------------|--------------------------|-----------------------------|-----------------|---------------------|------------------|--|
| Service Requested by: | | Shop No. 41/42, G- | Wing, | | Received on: | 08.12.2020 | |
| | | Gokul Nagari -II, W. | E. Highway, Dattani R | oad, | Physical Condition: | Good | |
| | | Kandivali - East, Mur | mbai - 400101 | | | | |
| Details | of Instrument/U | nit Under Calibration (l | JUC) | | | | |
| | ent Name: | Pipette | • | | | = | |
| Manufacturer: | | Thermo Scientific | Thermo Scientific | | 08.12.2020 | | |
| Model : | | Finnpipette F3 | Finnpipette F3 | | 07.12.2021 | | |
| Serial No.: | | LW09685 | | | | | |
| ld. No.: | | | Calibrated | | Lab | | |
| | | | | | Page : 01 of 01 | | |
| Ambient | Conditions | | | | | | |
| Te | emperature | 24.9 ± 2 °C | Relative Humidity | | 52.8 %RH ± 5 %RH | | |
| Calibratio | n Specifications | | | | and section and and | | |
| Parameters | | Range | Least Count | | | | |
| | Volume | 100µl | | | | | |
| eference | Standards Used | | | | | | |
| Equipment | | Make | ID No. | Certificate No. | Cal. Date | Due Date | |
| Weighing Balance | | Citizen | MI-022 | 2020/00676 | 10.08.2020 | 09.08.202 | |
| | | | | | | 20 (1) (20) A A | |
| libration | Procedure: | Pipette is Calibrated by | y comparison with St | andards. | | | |
| servatio | ns | 41 | | | | | |
| Settings: 100 μl | | 100 μΙ | Acceptable Criteria : ± 3μl | | ρ at 25°C = 0.99704 | | |
| | Weight | Calculated Valume in | Difference in | Mean Value In | Standard Deviation | C.V. in % | |
| Trial No. | Indicated in | μΙ | μΙ | μΙ | Juliana Deviation | | |
| | gram | 99.39 | -0.61 | | | | |
| 1 | 0.0991 | 99.39 | -0.71 | 99.33 | 0.18 | 0.18 | |
| | | 77.47 | | | | | |
| 2 | 0.0990 | 99.09 | -0.91 | 99.33 | 0.70 | | |
| | 0.0990 | 99.09 99.29 | -0.91 -0.71 | 99.33 | 0.18 | | |

UUC: Unit under calibration

Uncertainty has been calculated for a coverage factor k=2 corresponding to approximately 95% Confidence Level

The Standard maintained are traceable to National/ International Standard through accredited Laboratories.

The observations reported represent values at the time of the measurements and under the stated condition. They do not convey any long term stability information.

Authorized By:

