



GLOBAL TECHNICAL SERVICES

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CC-2957

CALIBRATION CERTIFICATE

| | | | |
|---|--|-------------------------|-----------------------|
| 1.CUSTOMER :- AROGYAM PATHOLOGY CENTRE TONKA, CARANZALEM, GOA | | Page No. | :- 1 of 1 |
| Ambient Temp. (°C) :- 24.3 | | Certificate No. | :- GTS/211013/01-004 |
| Relative Humidity (%RH) :- 50 | | Date of Received | :- 13.10.2021 |
| Barometric Pressure (mbar) :- 943.2 | | Date of Calibration | :- 13.10.2021 |
| Location of calibration :- In Lab | | Next Calibration Due On | :- 12.10.2022 |
| Condition of Item :- Ok | | Issue Date | :- 20.10.2021 |
| | | Calibration method No. | :- MECH-WI-06 |
| | | ULR No | :- CC295721000007147F |

2. Description of Item

| | | | |
|-------|-----------------|-------------|-----------------|
| Name | :- Micropipette | Range | :- 20 to 200 µl |
| Id No | :- APC/PIP/04 | Least Count | :- 1 µl |
| Make | :- ERBA | Location | :- LAB |
| Type | :- Variable | Sr No | :- JR 05052 |
| | | Dept | Pathology |

3.Details of Equipment used for calibration

| Name | Certificate No. | Certified By | ID/Sr. No. | Calibration Validity |
|------------------|-------------------|------------------------------|------------|----------------------|
| Weighing Balance | NI/GTS/010621/001 | Nishitronics Instrumentation | GTS/WB-01 | 31.05.2022 |

*Mechanical Calibration

4.Calibration Results :-

| Calibration Points µl | Standard Reading µl | Set Value on UUC µl | Error in µl | Expanded Uncertainty in ± µl |
|--------------------------|------------------------|------------------------|----------------|---------------------------------|
| 20 | 19.9259 | 20 | 0.0741 | 1.50 |
| 100 | 99.6192 | 100 | 0.3808 | 1.50 |
| 200 | 199.2635 | 200 | 0.7365 | 1.50 |

Note:

- 1)The reported uncertainty is the expanded uncertainty in measurement obtained by multiplying the standard uncertainty by the coverage factor k=2, which corresponds to a coverage probability of approximately 95.45% for normal distribution
- 2) This certificate refers only to the particular item submitted for calibration. UUC stands for Unit Under Calibration.
- 3) The calibration results reported in the certificate are valid at the time of and under the stated conditions of measurement.
- 4) Calibration point were selected as per customer specifications.
- 5) This certificate shall not be reproduced, except in full unless written permission for the publication of an approved abstract has been obtained from the Technical Manager of "Global Technical Services, Pune".

Calibrated By

S.C

Calibration Engineer
Shafik.C

RF-51/00



End of Certificate

Approved By

SMB

Technical Manager
Swapnil Bhagawat