

CALIBRATION CERTIFICATE

1.CUSTOMER :- DIGNOSTICA SPAN PRIVATE LIMITED Office No. 04, First Floor, Business Bay, S.N.Kute Marg, Tidke Colony, Mumbai Naka Nashik-422002		Page No. :- 1 of 1 Date of Receipt :- 20-Nov-23 Service Request No. :- 2023/143 Certificate No. :- M2023/11/1163 Date of Calibration :- 22-Nov-23 Next Calibration Due On :- 22-Nov-24 Calibration method No. :- PISPL/M/WI/23 Location of calibration :- In Lab Condition of Item :- OK ULR NO. CL110230000007165F	
2.Environmental Conditions			
Ambient Temp. :- 22.4 ^o C		Relative Humidity :- 55.6%RH	
Barometric Pressure :- 942.5 mbar			
3.Description of Item			
Name :- Micropipette	Range :- 100 to1000 µl	I.D No. :- SPAN-01	Resolution :- 10 µl
Make :- ---	Location :- ---		
4.Detail of equipment used for calibration			
Name :- Digital Weighing Balance		Make/I.D No. :- Radwag/PIS/SMBAL/01	
Certificate No. :- M2023/07/006		Certified By :- PISPL	
Calibration Validity :- 10-Jul-24		Uncertainty :- ± 0.032 mg	
5.Calibration Results: Mechanical - Volume			
Sr. No.	Volume In µl	Observed mean Volume at 27 ^o C (Ref .Temp) µl	Expanded Uncertainty ± µl
1	100	100.15	0.2
2	500	500.20	0.2
3	1000	1000.23	0.2
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% for normal distribution Reference Standard :- ISO 4787 & ISO 20461 Note: 1) This certificate refers only to the particular item submitted for calibration 2) This certificate shall not be reproduced, except in full unless written permission for the publication of an approved abstract has been obtained from the Authorized Signatory of "Precision Instrumentation And Services Pvt. Ltd, Nashik". 3) The calibration results reported in the certificate are valid at the time of and under the stated conditions of measurement.			
Calibrated By		Authorized By	
Calibration Engineer Mrs.Susmita khaira		Date of Issue :-23-Nov-23	Quality Manager Mr.Arun Dongare

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2.Environmental Conditions			
Ambient Temp. :- 22.4 ^o C		Relative Humidity :- 55.6%RH	
Barometric Pressure :- 942.5 mbar			
3.Description of Item			
Name :- Micropipette	Range :- 1000 µl		
I.D No. :- SPAN-02	Resolution :- ---		
Make :- Labline	Location :- ---		
4.Detail of equipment used for calibration			
Name :- Digital Weighing Balance			
Make/I.D No. :- Radwag/PIS/SMBAL/01			
Certificate No. :- M2023/07/006			
Certified By :- PISPL			
Calibration Validity :- 10-Jul-24			
Uncertainty :- ± 0.032 mg			
5.Calibration Results: Mechanical - Volume			
Sr. No.	Volume In µl	Observed mean Volume at 27°C (Ref. Temp) µl	Expanded Uncertainty ± µl
1	1000	1000.24	0.2
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% for normal distribution Reference Standard :- ISO 4787 & ISO 20461 Note: 1) This certificate refers only to the particular item submitted for calibration 2) This certificate shall not be reproduced, except in full unless written permission for the publication of an approved abstract has been obtained from the Authorized Signatory of "Precision Instrumentation And Services Pvt. Ltd, Nashik". 3) The calibration results reported in the certificate are valid at the time of and under the stated conditions of measurement.			
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Calibration Engineer Mrs.Susmita khair		Date of Issue :-23-Nov-23	Quality Manager Mr.Arun Dongare

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2.Environmental Conditions			
Ambient Temp. :- 22.4 ^o C		Relative Humidity :- 55.6%RH	
Barometric Pressure :- 942.5 mbar			
3.Description of Item			
Name :- Micropipette	Range :- 10 to100 µl		
I.D No. :- SPAN-03	Resolution :- 1 µl		
Make :- Erba	Location :- ---		
4.Detail of equipment used for calibration			
Name :- Digital Weighing Balance			
Make/I.D No. :- Radwag/PIS/MBAL/01			
Certificate No. :- M2022/12/009			
Certified By :- PISPL			
Calibration Validity :- 02-Dec-23			
Uncertainty :- ± 0.006 mg			
5.Calibration Results: Mechanical - Volume			
Sr. No.	Volume In µl	Observed mean Volume at 27 ^o C (Ref .Temp) µl	Expanded Uncertainty ± µl
1	10	10.12	0.05
2	50	50.17	0.05
3	100	100.20	0.05
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% for normal distribution Reference Standard :- ISO 4787 & ISO 20461 Note: 1) This certificate refers only to the particular item submitted for calibration 2) This certificate shall not be reproduced, except in full unless written permission for the publication of an approved abstract has been obtained from the Authorized Signatory of "Precision Instrumentation And Services Pvt. Ltd, Nashik". 3) The calibration results reported in the certificate are valid at the time of and under the stated conditions of measurement.			
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Calibration Engineer Mrs.Susmita khaira		Date of Issue :-23-Nov-23	Quality Manager Mr.Arun Dongare

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2.Environmental Conditions			
Ambient Temp. :- 22.4 ^o C		Relative Humidity :- 55.6%RH	
Barometric Pressure :- 942.5 mbar			
3.Description of Item			
Name :- Micropipette	Range :- 10 to100 µl	I.D No. :- SPAN-04	Resolution :- 5 µl
Make :- ---	Location :- ---		
4.Detail of equipment used for calibration			
Name :- Digital Weighing Balance			
Make/I.D No. :- Radwag/PIS/MBAL/01			
Certificate No. :- M2022/12/009			
Certified By :- PISPL			
Calibration Validity :- 02-Dec-23			
Uncertainty :- ± 0.006 mg			
5.Calibration Results: Mechanical - Volume			
Sr. No.	Volume In µl	Observed mean Volume at 27 ^o C (Ref .Temp) µl	Expanded Uncertainty ± µl
1	10	10.07	0.05
2	50	50.10	0.05
3	100	100.16	0.05
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% for normal distribution Reference Standard :- ISO 4787 & ISO 20461 Note: 1) This certificate refers only to the particular item submitted for calibration 2) This certificate shall not be reproduced, except in full unless written permission for the publication of an approved abstract has been obtained from the Authorized Signatory of "Precision Instrumentation And Services Pvt. Ltd, Nashik". 3) The calibration results reported in the certificate are valid at the time of and under the stated conditions of measurement.			
Calibrated By		Authorized By	
Calibration Engineer		Quality Manager	
Mrs.Susmita khaira		Date of Issue :-23-Nov-23	Mr.Arun Dongare

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2.Environmental Conditions			
Ambient Temp. :- 22.4 ^o C		Relative Humidity :- 55.6%RH	
Barometric Pressure :- 942.5 mbar			
3.Description of Item			
Name :- Micropipette	Range :- 50 µl	I.D No. :- SPAN-05	Resolution :- ---
Make :- Labline	Location :- ---		
4.Detail of equipment used for calibration			
Name :- Digital Weighing Balance			
Make/I.D No. :- Radwag/PIS/MBAL/01			
Certificate No. :- M2022/12/009			
Certified By :- PISPL			
Calibration Validity :- 02-Dec-23			
Uncertainty :- ± 0.006 mg			
5.Calibration Results: Mechanical - Volume			
Sr. No.	Volume In µl	Observed mean Volume at 27°C (Ref. Temp) µl	Expanded Uncertainty ± µl
2	50	50.09	0.05
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% for normal distribution Reference Standard :- ISO 4787 & ISO 20461 Note: 1) This certificate refers only to the particular item submitted for calibration 2) This certificate shall not be reproduced, except in full unless written permission for the publication of an approved abstract has been obtained from the Authorized Signatory of "Precision Instrumentation And Services Pvt. Ltd, Nashik". 3) The calibration results reported in the certificate are valid at the time of and under the stated conditions of measurement.			
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