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Determine Perfection

Perfect Calibration Centre Pvt. Ltd.

No.40, 71st Cross, 5th Block, Rajaji Nagar, Bangalore - 560 010.
Ph : 080-2315 5522, 2315 5577, 2315 5588, 99726 97733
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NABL LAB FOR : MECHANICAL • THERMAL • ET • AIR / FLUID FLOW • FORCE • MASS • OPTICAL

CERTIFICATE OF CALIBRATION

ULR-CC224721100011592F
ISSUE DATE:10/07/2021

CUSTOMER : M/s. COSMOS CLINIC & DIAGNOSTICS,
ANDRAHALLI, MAIN ROAD, BANGALORE - 560 091.

REPORT NO. : PC-07-21/ATS/0366-05
CAL DATE : 08/07/2021
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PAGE NO. : 1/1

CUST REF : E- MAIL
DEPT. : AT SITE

DETAILS OF DEVICE UNDER CALIBRATION

CENTRIFUGE

MAKE	REMI	**RANGE**	Max 3600 rpm
MODEL	----	**L.C.**	----
SL. NO.	----	**LOCATION**	LAB
ID NO	CCD/CENTRIFUGE(B)/20	**TYPE**	ANALOG

ENVIRONMENTAL CONDITIONS:

TEMPERATURE : 25±5°C
HUMIDITY : 30 to 75%RH

NO.	STANDARD USED	ID.NO./SL.NO.	CERT.NO	VALIDITY
1	DIGITAL TACHOMETER.	PCCPL/S/DTM/19	HT/CC/201009-11/001	19/09/2021

The standards used are traceable to National / International Standards.

Cal Procedure No: PCCPL/CAL/S&A/001(S) & 002(S)

COMPARISON METHOD

MECHANICAL CALIBRATION (SPEED)

CALIBRATION RESULTS

SL . NO	DUC NOB POSITION	STANDARD READING IN rpm	Measurement Uncertainty (±) %
1	1	1499.5	0.12
2	2	2300.9	0.12
3	3	2819.9	0.12
4	4	3119.8	0.12
5	5	3609.3	0.12

Conclusion Remarks:

1. The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k such that the coverage probability corresponds to approximately 95% and k = 2
2. Standard & DUC readings is an average of Five repeated readings.

SANTHOSHKUMAR.V
CALIBRATION ENGINEER
CALIBRATED BY

KARTHIK.P
CALIBRATION ENGINEER
CHECKED BY

S. MADESHWARAN
DEPUTY QUALITY MANAGER
AUTHORISED SIGNATORY

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CUST REF : E- MAIL
DEPT. : AT SITE

DETAILS OF DEVICE UNDER CALIBRATION

CENTRIFUGE

MAKE	REMI	RANGE	Max 5000 rpm
MODEL	R-8C	L.C.	10 rpm
SL. NO.	ZEBN - 08179	LOCATION	LAB
ID NO	CCD/CENTRIFUGE(A)/19	TYPE	DIGITAL

ENVIRONMENTAL CONDITIONS:

TEMPERATURE : 25±5°C
HUMIDITY : 30 to 75%RH

NO.	STANDARD USED	ID.NO./SL.NO.	CERT.NO	VALIDITY
1	DIGITAL TACHOMETER.	PCCPL/S/DTM/19	HT/CC/201009-11/001	19/09/2021

The standards used are traceable to National / International Standards.

Cal Procedure No: PCCPL/CAL/S&A/001(S) & 002(S)

COMPARISON METHOD

MECHANICAL CALIBRATION (SPEED)

CALIBRATION RESULTS

SL . NO	DUC READING IN rpm	STANDARD READING IN rpm	OBSERVED DEVIATION IN rpm	MEASUREMENT UNCERTAINTY (±) %
1	1000	999.5	0.5	0.12
2	1500	1499.8	0.2	0.12
3	2000	2000.2	-0.2	0.12
4	2500	2500.4	-0.4	0.12
5	3000	3000.3	-0.3	0.12
6	4000	4000.3	-0.3	0.12
7	5000	5000.7	-0.7	0.12

Conclusion Remarks:

1. The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k such that the coverage probability corresponds to approximately 95% and k = 2
2. Standard & DUC readings is an average of Five repeated readings.

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CUST REF : E-MAIL
DEPT. : AT SITE

DETAILS OF DEVICE UNDER CALIBRATION

CENTRIFUGE

MAKE	REMI	RANGE	Max 3600 rpm
MODEL	----	L.C.	----
SL. NO.	----	LOCATION	LAB
ID NO	CCD/CENTRIFUGE(C)/21	TYPE	ANALOG

ENVIRONMENTAL CONDITIONS:

TEMPERATURE : 25±5°C
HUMIDITY : 30 to 75%RH

NO.	STANDARD USED	ID.NO./SL.NO.	CERT.NO	VALIDITY
1	DIGITAL TACHOMETER.	PCCPL/S/DTM/19	HT/CC/201009-11/001	19/09/2021

The standards used are traceable to National / International Standards.

Cal Procedure No: PCCPL/CAL/S&A/001(S) & 002(S)

COMPARISON METHOD

MECHANICAL CALIBRATION (SPEED)

CALIBRATION RESULTS

SL . NO	DUC NOB POSITION	STANDARD READING IN rpm	Measurement Uncertainty (±) %
1	1	1240.8	0.12
2	2	2050.6	0.12
3	3	2690.3	0.12
4	4	3040.6	0.12
5	5	3601.5	0.12

Conclusion Remarks:

1. The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k such that the coverage probability corresponds to approximately 95% and k = 2
2. Standard & DUC readings is an average of Five repeated readings.

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