PERFECT
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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CC - 2247

NABL LAB FOR : MECHANICAL • THERMAL • ET • AIR / FLUID FLOW • FORCE • MASS • OPTICAL

CERTIFICATE OF CALIBRATION

ULR-CC224721100011590F
ISSUE DATE:10/07/2021

REPORT NO. : PC-07-21/ATS/0366-03
CAL DATE : 08/07/2021
DUE DATE : 07/07/2022
PAGE NO. : 1/3

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

CUST REF : VERBAL
DEPT. : AT SITE

DETAILS OF DEVICE UNDER CALIBRATION

ELECTRONIC BALANCE

MAKE	----	RANGE	Max 500 g
MODEL	----	L.C.	0.01 g
SL. NO.	----	LOCATION	LAB
ID NO	CCD/DIGITALSCALE/52	TYPE	DIGITAL

ENVIRONMENTAL CONDITIONS:

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

STANDARD USED	CERTIFICATE NUMBER	VALIDITY
MASTER WEIGHTS	WI/June/19/002	10/06/2022
MASTER WEIGHTS	3001020-V01	20/10/2021

The standards used are traceable to National / International Standards.

REFERENCE STANDARD : O.I.M.L.-R-76 RECOMMENDATION

CALIBRATION PROCEDURE : PCCPL/CAL/WB/002(S)

CALIBRATION RESULTS

SL. NO.	NOMINAL WEIGHT VALUE		STD. WEIGHT READING		TEST BALANCE READING		OBSERVED DEVIATION	
1	50	mg	0.050002	g	0.05	g	0.00	g
2	100		0.100004		0.10		0.00	
3	200		0.200007		0.20		0.00	
4	500		0.500004		0.50		0.00	
5	1	g	1.000011		1.00		0.00	
6	2		1.999978		1.99		-0.01	
7	5		5.000016		4.99		-0.01	
8	10		10.000030		9.98		-0.02	
9	20		19.999974		19.98		-0.02	
10	50		50.000062		49.96		-0.04	
11	100		100.000082		99.94		-0.06	
12	200		200.000149		199.94		-0.06	
13	500		499.99997		499.93		-0.07	

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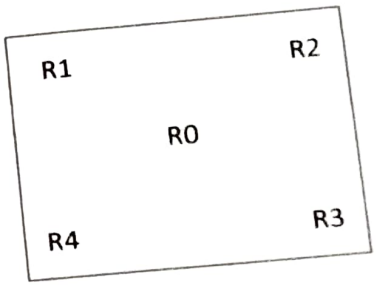
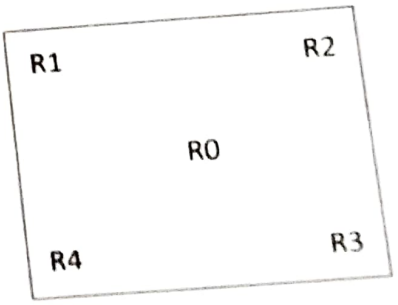
CORNER LOAD TEST ASSENDING

POSITION	STD. WEIGHT READING	TEST BALANCE READING
R0	200 g	199.94 g
R1	200	199.94
R2	200	199.91
R3	200	199.93
R4	200	199.94



CORNER LOAD TEST DESCENDING

POSITION	STD. WEIGHT READING	TEST BALANCE READING
R0	200 g	199.94 g
R1	200	199.94
R2	200	199.91
R3	200	199.93
R4	200	199.94



CORNER LOAD TEST AVERAGE

ASCENDING in g		DESCENDING in g	
R0 -R1	0.00	R0 -R1	0.00
R0 -R2	0.03	R0 -R2	0.03
R0 -R3	0.01	R0 -R3	0.01
R0 -R4	0.00	R0 -R4	0.00

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REPERATABILITY OF FULL LOAD TEST

TEST RANGE - 500g

TRIAL	SL.NO.	STD	DUC
TRIAL - 01	1	0	0.00
	2	500	499.93
	3	500	499.93
	4	0	0.00
TRIAL - 02	1	0	0.00
	2	500	499.93
	3	500	499.93
	4	0	0.00
TRIAL - 03	1	0	0.00
	2	500	499.93
	3	500	499.93
	4	0	0.00
TRIAL - 04	1	0	0.00
	2	500	499.93
	3	500	499.93
	4	0	0.00
TRIAL - 05	1	0	0.00
	2	500	499.93
	3	500	499.93
	4	0	0.00

REPERATABILITY OF HALF LOAD TEST

TEST RANGE - 250g

TRIAL	SL.NO.	STD	DUC
TRIAL - 01	1	0	0.00
	2	250	249.94
	3	250	249.94
	4	0	0.00
TRIAL - 02	1	0	0.00
	2	250	249.94
	3	250	249.94
	4	0	0.00
TRIAL - 03	1	0	0.00
	2	250	249.94
	3	250	249.94
	4	0	0.00
TRIAL - 04	1	0	0.00
	2	250	249.94
	3	250	249.94
	4	0	0.00
TRIAL - 05	1	0	0.00
	2	250	249.94
	3	250	249.94
	4	0	0.00

Conclusion Remarks:

UNCERTAINTY OF MEASUREMENTS = ± 6.56mg

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

NOTE : THIS CALIBRATION IS VALID FOR SCIENTIFIC AND INDUSTRIAL PURPOSE ONLY. HOWEVER,IF USED FOR COMMERCIAL TRADING ADDITIONAL RECOGNITION APPROVAL SHALL BE COMPILED AS REQUIRED BY DEPT.OF LEGAL METROLOGY, REGULATORY BODIES,ETC.

SANTHOSH KUMAR.S

KARTHIK.P
CALIBRATION ENGINEER

S.SRINIVASAN
MANAGING DIRECTOR
AUTHORISED SIGNATORY