

MK BEST CALIBRATION SERVICES



एमके बेस्ट केलिब्रेशन सर्विसेस

No. 27, F-2, 1st Floor, 2nd Street, Varalakshmi Nagar, Maduravoyal,
(Opp. MGR Engineering College), Chennai - 600 095.

Ph.: 044 - 23780211, Cell : 93802 66480 / 86958 18108 / 90032 77250

E-mail: mkbestcalibration@gmail.com, www.mkbestcalibrationservices.com



CERTIFICATE OF CALIBRATION

SRF No	MKBN/21/04/0132	Date of Calibration	15.04.2021	Page No	1 of 3
Certificate No	MKBN/21/04/0132-001	Recom. Due Date	14.04.2022	Date of Receipt	15.04.2021
				Date of Issue	15.04.2021

CUSTOMER INFORMATION		DETAILS OF UNIT UNDER CALIBRATION	
M/s. SHIFA HOSPITAL, DEPT.OF.LAB, 82, KAILASAPURAM MIDDLE STREET, TIRUNELVELI.		Description	ELECTRONIC SCALE
		Make / Model	---
		Range	5 g - 1kg
		Resolution	5 g
		Serial No.	SC3423636G/OZ
		Id No	---
		Location	---

STANDARD INSTRUMENTS DETAILS (The Standards Used are Traceable to National /International Standards)

S.No	Description	Id.No/SI. No	Traceability	Certificate No	Validity
01	E2 CLASS WEIGHT BOX	MK/CAL-158/1805971	NATIONAL STANDARD	TVCSPL 20/10/940-01	13.10.2023
02	F2 CLASS WEIGHTS	MK/CAL-47(1,2)-86(1-8)	NATIONAL STANDARD	TVCSPL 20/06/415-04	02.06.2023

ENVIRONMENTAL CONDITIONS		REFERENCE STANDARD & ACCEPTANCE LIMIT	
Temperature	23 ± 1.5°C	Procedure No	MKBCS - MBV - 02/ OIML R76-1:2006
Humidity	40 - 60 % RH	Condition of the UUC Received	Good

CALIBRATION RESULTS

MECHANICAL CALIBRATION - WEIGHING SCALE AND BALANCE

1.LINEARITY TEST

Sr No.	APPLIED MASS	MEASURED VALUE	ERROR
	Kg	Kg	
1	0.005	0.005	0.000
2	0.020	0.020	0.000
3	0.050	0.050	0.000
4	0.100	0.100	0.000
5	0.200	0.205	0.005
6	0.500	0.505	0.005
7	1.000	1.005	0.005
Maximum Error Of Linearity Test		0.005	Kg

Calibrated by (Calibration Engineer)	Authorised Signatory
S.CHANDRA BOSE	L.MAGESH



THE STANDARD INSTRUMENTS USED ARE TRACEABLE TO NABL

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION ISO 9001 : 2015.

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CALIBRATION RESULTS

2. HALF LOAD REPETABILITY TEST

Sr No.	APPLIED MASS	MEASURED VALUE	ERROR
	Kg	Kg	
1	0.500	0.505	0.005
2	0.500	0.505	0.005
3	0.500	0.510	0.010
4	0.500	0.505	0.005
5	0.500	0.505	0.005
6	0.500	0.510	0.010
7	0.500	0.505	0.005
8	0.500	0.505	0.005
9	0.500	0.505	0.005
10	0.500	0.505	0.005
Maximum Error Of Repeatability Test		0.010	Kg

CALIBRATION RESULTS

3. FULL LOAD REPETABILITY TEST

Sr No.	APPLIED MASS	MEASURED VALUE	ERROR
	Kg	Kg	
1	1.000	1.005	0.005
2	1.000	1.005	0.005
3	1.000	1.010	0.010
4	1.000	1.005	0.005
5	1.000	1.005	0.005
6	1.000	1.005	0.005
7	1.000	1.010	0.010
8	1.000	1.005	0.005
9	1.000	1.005	0.005
10	1.000	1.005	0.005
Maximum Error Of Repeatability Test		0.010	Kg

Calibrated by (Calibration Engineer)

Authorised Signatory

S. Chandra Bose

L. Magesh

S.CHANDRA BOSE

L.MAGESH



Since 15 Years

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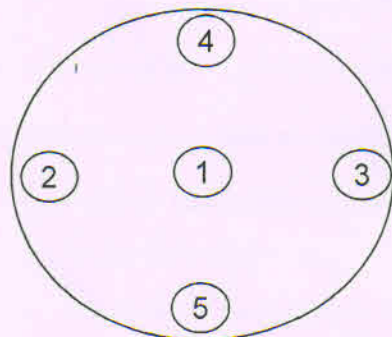
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CALIBRATION RESULTS

4.ECCENTRICITY TEST

POSITION	APPLIED MASS	MEASURED VALUE	DEVIATION
	Kg	Kg	Kg
1	1.000	1.005	0.005
2	1.000	1.005	0.005
3	1.000	1.005	0.005
4	1.000	1.005	0.005
5	1.000	1.005	0.005
Maximum Error Of Eccentricity Test			0.005 Kg

POSITION AND SHAPE OF PAN



Measurement Uncertainty \pm 0.0440 Kg

Remarks :

1. The Expanded Uncertainty associated with the results is calculated at a confidence level of approximately 95% with a Coverage factor of k=2.
2. The Calibration Certificate Shall not be Reproduced Except In Full, Without Written Approval Of The Laboratory.
3. The Recalibration Interval should be determined on the user requirement.
4. The Results Stated In This Certificate Relate Only to the Item Calibrated.
5. The User Should Determine The Suitability Of The Instrument For Its Intended Use.

Calibrated by (Calibration Engineer)

Authorised Signatory

S. Chandra Bose



L. Magesh

S.CHANDRA BOSE

L.MAGESH



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