



CERTIFICATE OF CALIBRATION

FT-Q-25		Page 1 of 2	
ULR No. :	CC21442300000789F	Date of Issue :	10-02-2023
Certificate No. :	TVCSP 23/02/235-08	Recom. Due Date :	08-02-2024
Date of Calibration :	09-02-2023	Customer Details :	SRF No. : 235
M/s.FEROKE NEETHI MEDICAL LAB FEROKE KOZHICODE.		Calibrated at :	Lab
		Date of Receipt :	09-02-2023
		Cond. On Receipt :	Satisfactory
Details of Test Instrument:			
Description :	Analog Weighing Machine	Model No. :	--
Range :	0 to 125kg	Serial No. :	--
Least Count :	0.5kg	Identification No. :	NMLF/EQP/13
Make :	Krupps	Class(OIML) :	Class IV
Working range :		Location :	--
Verification Interval(e)0.1kg			
Details of Standard Used :			
Name	Certificate No.	Valid upto	Traceability
F2 Class Standard Weights	TVCSP 22/08/1322-03	05-08-2023	TVCSP, Chennai.
F1 Standard Weights	TVCSP 22/08/1322-02	05-08-2023	TVCSP, Chennai.
F1 Class Standard Weights	TVCSP 22/08/1464-03	29-08-2023	TVCSP, Chennai.
F2 Class Standard Weights	TVCSP 22/06/873-04	01-Jun-23	TVCSP, Chennai.
Work Instruction :	WI-M-01		
Environmental Details :	Temperature: 25±5 °C	Relative Humidity:	40-70 % RH

MECHANICAL CALIBRATION
(Weighing Scale & Balance)
Calibration Results

1. Eccentricity

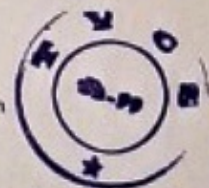
Sr. No.	Position of Weights used	Test Reading (kg)	Error between centre(1) and Other points (kg)
1	3	40.0	0.0
2	4	40.0	0.0
3	1	40.0	0.0
4	2	40.5	-0.5
5	5	40.0	0.0

Maximum Error between centre (1) and other points
0.5 kg



Calibrated by :
K. Kameswaran
Mr. K. Kameswaran
(Calibration Engineer)

Authorised by:
Anand Mitharban
Mr. Anand Mitharban
(QM & TM)





ULR No. : CC21442300000789F
 Certificate No. : TVCSPL 23/02/235-08

Page 2 of 2

MECHANICAL CALIBRATION
 (Weighing Scale & Balance)
Calibration Results

2. Weighing Error Test

Sr. No.	Applied Mass (kg)	Test Reading (kg)	Error (kg)	MPE (±kg)
1	0.500	0.5	0.000	0.5
2	1.000	1.0	0.000	
3	2.000	2.0	0.000	
4	5.000	5.0	0.000	
5	6.000	6.0	0.000	
6	10.000	10.0	0.000	
7	15.000	15.0	0.000	
8	20.000	20.0	0.000	
9	30.000	30.0	0.000	
10	40.000	40.0	0.000	
11	50.000	50.0	0.000	
12	100.000	100.5	0.500	1.0
13	120.000	120.0	0.000	

3. Repeatability

Sr. No.	0 Zero (kg)	50% of Range (kg)	100% of Range (kg)
1	0.0	60.0	120.0
2	0.0	60.0	120.0
3	0.0	60.0	120.0
4	0.0	60.5	120.0
5	0.0	60.5	120.0
6	0.0	60.0	120.5
7	0.0	60.0	120.5
8	0.0	60.0	120.0
9	0.0	60.0	120.0
10	0.0	60.0	120.0

Remarks Repeatability ± 0.5 kg

1. UUC is defined as the Unit Under Calibration
2. Expanded uncertainty ± 0.610 kg
3. The reported uncertainty is at coverage k=2 which correspond to a coverage probability of approximately 95.45% for a normal distribution. The Contribution of uncertainty, originating from the standards(s) & balance(s) used, the weighing process are into account
4. M/s.TVCSPL, Chennai General Laboratory Practice are derived from ISO/IEC:17025. It therefore meets the relevant requirements of ISO:9001 when acting as the supplier providing test/calibration result
5. The result provided in this certificate is confidential. The calibration certificate shall not be reproduced in part or in full without written approval of M/s.TVCSPL
6. With respect to the above specified requirements the balance was within the limits
7. This calibration certificate will not be legal for the purpose of the standard of "Weight & Measure (enforcement) act 2011"

* End of Certificate *

Calibrated by :
K. Kameshwaran
 Mr.K.Kameswaran
 (Calibration Engineer)

Authorised by:
Anand Manoharan
 Mr.Anand Manoharan
 (QM & TM)



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