

Calibration Certificate

Format No. : FCS/QF/46 ISSUE DATE 01/07/2023 Page No. : 01 of 01

SERVICE REQUEST & CALIBRATION REPORT DETAILS (As per agreed with the Customer)			
Calibration Request Dated	06.11.2023	Date of Calibration :	07.11.2023
Calibration Request / Job No.	125 / 125-002	Next Date of Calibration	07.11.2024
Certificate No.	FCS/23/125-002	Certificate Issue Date	08.11.2023

CUSTOMER ADDRESS	ENVIRONMENTAL & INSTRUMENT CONDITIONS
M/s Dipakshi Hospital Udhayan Marg, NTPC Township, C Block, Sector 33, Noida, Uttar Pradesh 201307 INDIA	Temperature (25 ± 15) °C Relative Humidity (50 ± 20) %RH Zerro Error Nil Discipline Medical Instrument Condition In Working (Good)

CALIBRATION CERTIFICATE OF		DESCRIPTION OF(EQP) UNIT UNDER CALIBRATION	
CELL COUNTER		Make / Model	Medonic
		Range / Size	As Per Instrument
		Least Count	As Per Range
		Serial No.	30766
Procedure Followed	FCS/MD/117	Asset Code / I.D No.	NA
Reference Standard	NABL 126	Location	Lab
Calibration Performed At	At Site	Accuracy/Acceptance	Not Specified

DETAILS OF REFERENCE STANDARDS AND MAJOR EQUIPMENTS USED FOR CALIBRATION

Sr. No	Instrument Details	Asst Code	Certificate No.	Calibrated By	Valid upto
1	RTD Sensor with Indicator	FCS/MD/RTD-01	NKERC/23/1001-001	NKERC	01.08.2024
2	Digital Weighing Machine	FCS/MD/PWB-01	NKERC/23/1001-012	NKERC	01.08.2024
3	Process Calibrator	FCS/MD/PC-01	NKERC/23/1001-011	NKERC	01.08.2024
4	Std. Weight set	FCS/MD/SWB-01	NKERC/23/1001-013	NKERC	01.08.2024
5	Electrical Safety Analyzer	FCS/MD/ESA-01	AT23000007411	ASIAN	02.07.2024

The Standards used for calibration are traceable to National Standards.

CALIBRATION RESULT

PARAMETER	DUC VALUE(μ l)	STANDARD VALUE(μl)	ERROR(μl)	Uncertainty± (μl)
Volume	200	200.12	-0.12	5.0
	500	500.25	-0.25	5.0
PARAMETER	DUC VALUE(μ l)	STANDARD VALUE(μl)	ERROR(μl)	Uncertainty± (μl)
Aspiration Volume	100	100.54	-0.54	5.0
	200	200.32	-0.32	5.0
PARAMETER	DUC VALUE(mm)	STANDARD VALUE(mm)	ERROR(mm)	Uncertainty± (mm)
Low Cell Optical Path	5	5.15	-0.15	5.0
	10	10.19	-0.19	5.0

Maxima Found at	Standard Wavelength	Tolerance Limit
360nm	360.34nm	(upto 400 nm)±1nm
419nm	418.80nm	(400 upto 600 nm)±3nm
537nm	536.40nm	(400 upto 600 nm)±3nm
640nm	638.30nm	(600 upto 1000 nm)±4nm

PARAMETER	DUC VALUE	STANDARD VALUE	ERROR	Uncertainty
Temperature	25.0	25.007	-0.007	0.95
	30.0	30.013	-0.013	0.95
	35.0	35.020	-0.020	0.95

1. Electrical Safety (Visual Test)			2. Electrical Safety Test			
S.No	TESTS	REMARKS	S.No	PARAMETERS	MEASURE	REMARKS
1	Power Chords, Cable Check	OK	1	Voltage Between Line & Neutral (V in)	236.5V	OK
2	Main Socket Check	OK	2	Voltage Between Line & Earth (V ie)	243.3V	OK
3	Equipment Type (B/BF/CF)	B	3	Voltage Between Neutral & Earth (V en)	2.2V	OK
4	Equipment Class (I/II/III)	I	4	Patient Leakage Current (PL)	0.7μA	OK

B-BODY TYPE, BF-BODY FLOAT TYPE, CF-CARDIAC FLOAT TYPE, I-PROPERLY EARTHED, II-DOUBLE INSULATED, III-WITH EXTRA SAFETY LOW VOLTAGE.

*****The End of Document*****

CALIBRATED BY	APPROVED BY
 (Calibration Engineer)	 (Authorized Signatory)

Note :-
1. UUC =* Unit Under Calibration*
2. Uncertainty of measurement at approximately 95% Confidence Level with coverage factor k=2, ±20 μm
3. The Calibration Result reported are valid at the time of Calibration and under stated conditions of Measurement.
4. The Calibration report is not valid without sign of Factual Calibration Services (OPC) PVT. LTD.
5. This Calibration Certificate only to the particular Equipment (Instrument) submitted for Calibration.
6. The Calibration Certificate Should not be regenerated without the permission of Higher Authority of Factual Calibration Services (OPC) PVT. LTD.
7. Calibration Certificate issue for weight & Measure parameters & Mass Balance Volumetric equipment, for scientific Purpose only.

A CALIBRATION LABORATORY