



HYTECH CALIBRATION LAB PVT. LTD.

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AN ISO 9001-2015

Calibration Certificate

Rev. Date : 10/07/2024

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Format No. : HCL/FM/033

Rev. No.: 00

Certificate No.	HCL/24/3552-1	CALIBRATION CERTIFICATE OF Cell Counter
Date of Calibration :	01.08.2024	
Next Date for Calibration	01.08.2025	
Certificate Issue Date	03.08.2024	

CUSTOMER ADDRESS		DESCRIPTION OF DEVICE UNDER CALIBRATION	
M/s Ujala Cygnus Superspeciality Hospital Huda Bypass Road Sector 20, Kaithal Haryana 136027 INDIA		Make / Model	Swelab Lumi
SERVICE REQUEST FORM DETAILS		Instrument Sr. No.	TE1104B2239033
		Resolution / Least Count	As Per Range
Service Request / Job No.	3562/3562-1	Range / Size	As Per Instrument
Service Request Dated	31.08.2024	Asset Code / I.D No.	-----
		Location	Lab
		Instrument Condition	In working

Calibration Procedure	HCL/WI/008MD017	Calibration Performed At	At Site
Reference Standard	NABL-126	Discipline	Medical
ENVIRONMENTAL CONDITIONS		Temperature	(25 ± 15) °C
		Relative Humidity	(50 ± 20) %RH

DETAILS OF REFERENCE STANDARDS AND MAJOR EQUIPMENTS USED FOR CALIBRATION

Sr. No	Instrument Details	Certificate No.	Calibrated By	Calibration Due Date
1	Process Calibrator	HY/24/2980-1	Hytech	16.03.2025
2	SSPRT Sensor with Precision Thermometer	CC288823000001307F	Sigma Test	04.10.2024
3	Std. Weights	Tycon/W/03/2024/241	Tycon	08.03.2025
4	Digital Weighing Machine	QCL/2023/002043	QCL	11.09.2024
5	Electrical Safety Analyzer	CCTPL/0067/01	CCTPL	08.05.2025

The Standards used for calibration are traceable to National Standards.

CALIBRATION RESULT

PARAMETER	DUC VALUE(μl)	STANDARD VALUE(μl)	ERROR(μl)	Uncertainty± (μl)
Volume	200	200.45	-0.45	4.0
	500	500.27	-0.27	4.0
PARAMETER	DUC VALUE(μm)	STANDARD VALUE(μm)	ERROR(μm)	Uncertainty± (μm)
Cell Diameter	10	10.02	-0.02	0.4
	30	30.04	-0.04	0.4
	50	50.07	-0.07	0.4
PARAMETER	DUC VALUE(count)	STANDARD VALUE(count)	ERROR(count)	Uncertainty± (count)
Count Data Storage	200	201	-1	0.4
	500	502	-2	0.4
	1000	1002	-2	0.4
PARAMETER	DUC VALUE(count)	STANDARD VALUE(count)	ERROR(count)	Uncertainty± (count)
Protocol Storage	100	101	-1	0.4
	200	201	-1	0.4
	300	302	-2	0.4
Maxima Found at	Standard Wavelength		Tolerance Limit	
365nm	365.60nm		(upto 400 nm)±1nm	
537nm	536.40nm		(400 upto 600 nm)±3nm	
600nm	631.30nm		(600 upto 800 nm)±4nm	
PARAMETER	DUC VALUE (°C)	STANDARD VALUE(°C)	ERROR	Uncertainty
Temperature	25.0	25.003	-0.003	0.65
	30.0	30.008	-0.008	0.65
	35.0	35.043	-0.043	0.65

Expanded Uncertainty of measurement at approximately 95% Confidence Level with coverage factor k=2

- Note :-**
- DUC = Device Under Calibration
 - The Certificate refers only to the particular items submitted for Calibration.
 - This Certificate shall not be reproduced, except in full, without permission of CEO, Hytech Calibration Lab Pvt. Ltd.
 - Result Reported are Valid at the time of and under the stated conditions of measurement.
 - Calibration Certificate issue for weight & Measure parameters i.e. Mass, Balance, Volumetric equipment, Measuring Scale/Tapes etc. for scientific purpose only and should not be used for Trade / Commerical use.

CALIBRATED BY
(Calib. Engineer)

APPROVED BY
(Authorized Signatory)

END OF THE CALIBRATION CERTIFICATE