HYTECH INSTRUMENT

2SF, C-2 Shriram Complex, Nyay Khand-I, Indirapuram, Ghaziabad-201014 (U.P) INDIA
Ph. No. +91-9899380410, +91-9716668085, +91-7669021291-95

Calibration Certificate

Certificate No.	**HY/21/1121-2**	**CALIBRATION CERTIFICATE OF**
Date of Calibration :	10.08.2021	
Next Date for Calibration	10.08.2022	
(As per agreed with the Customer)		
Certificate Issue Date	11.08.2021	**Hematology Analyzer**

CUSTOMER ADDRESS	**DESCRIPTION OF DEVICE UNDER CALIBRATION**	
M/s Curis Diagnostics	**Make / Model**	Accurek/Acculab
F-24/25, Sector-3, Rohini,	**Instrument Sr. No.**	2900Pet02683
New Delhi -110085 INDIA	**Resolution / Least Count**	As Per Range
	Range / Size	As Per Insrument
SERVICE REQUEST FORM DETAILS	**Asset Code / I.D No.**	CD/H.A/LAB/01
Service Request / Job No. 1121/1121-2	**Location**	LAB
Service Request Dated 09.08.2021	**Instrument Condition**	In working

Calibration Procedure	HY/WI/2MD08	**Calibration Performed At**	At Site	
Reference Standard	NABL-126	**Discipline**	Medical	
ENVIRONMENTAL CONDITIONS	**Temperature**	(25 ± 15) °C	**Relative Humidity**	(60 ± 15) %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	CC205520000004619F	TNC	17.03.2022
2	Digital Multimeter with PRT Sensor	CC281200000001496F	TMPL	08.10.2021
3	Std. Weights	CC205521000004621F	TNC	17.03.2022
4	Digital Weighing Machine	CC205520000004620F	TNC	17.03.2022
5	Electrical Safety Analyzer	CC205520000000755F	TNC	18.01.2022

The Standards used for calibration are traceable to National Standards.

CALIBRATION RESULT

Maxima Found at	Standard Wavelength	Tolerance Limit
360nm	360.50nm	(upto 400 nm)±1nm
419nm	418.80nm	(400 upto 600 nm)±3nm
453nm	455.90nm	(400 upto 600 nm)±3nm
537nm	537.5nm	(400 upto 600 nm)±3nm
640nm	639.50nm	(600 upto 1000 nm)±4nm

PARAMETER	DUC VALUE (°C)	STANDARD VALUE (°C)	ERROR (°C)	Uncertainty ± (%)
Temperature	20.1	20.002	0.098	0.95
	25.1	25.004	0.096	0.95
	28.2	28.009	0.191	0.95
	30.2	30.011	0.189	0.95
	35.3	35.018	0.282	0.95

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

Note :-
1. DUC = Device Under Calibration
2. The Certificate refers only to the particular items submitted for Calibration.
3. This Certificate shall not be reproduced, except in full, without permission of CEO Hytech Instrument, Ghaziabad.
4. Result Reported are Valid at the time of and under the stated conditions of measurement.
5. 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
(QM / TM)

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Calibration Certificate

Certificate No.	**HY/21/1121-2**	**CALIBRATION CERTIFICATE OF**
Date of Calibration :	10.08.2021	
Next Date for Calibration	10.08.2022	
(As per agreed with the Customer)		
Certificate Issue Date	11.08.2021	**Hematology Analyzer**

CALIBRATION RESULT

PARAMETER	DUC VALUE (µl)	STANDARD VALUE (µl)	ERROR (µl)	Uncertainty ± (µl)
Volume	200	200.07	-0.07	4.0
	500	500.13	-0.13	4.0

1. Electrical Safety

Visiual Test

Sr. No	TESTS	REMARKS
1	Power Chords, Cable Check	OK
2	Main Socket Check	OK
3	Equipment Type (B/BF/CF)	B
4	Equipment Class (I/II/III)	I

B-BODY TYPE, BF-BODY FLOAT TYPE, CF-CARIDIAC FLOAT TYPE, I-PROPERLY EARTHED, II-DOUBLE INSULATED

III-WITH EXTRA SAFETY LOW VOLTAGE.

2. Electrical Safety Test

Sr. No	PARAMETERS	Measured Value		REMARKS
1	Voltage Between Line & Neutral (V in)	236.4	V	OK
2	Voltage Between Line & Earth (V ie)	243.6	V	OK
3	Voltage between Neutral & Earth (V en)	2.2	V	OK
4	Load Current (I a)	0.5	A	OK
5	Earth Leakage Current (I L)	7.8	µA	OK
6	Enclosure Current	0.6	µA	OK
7	Patient Leakage Current (P L)	0.7	µA	OK

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

Note :-

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Calibration Certificate

Certificate No.	**HY/21/1121-1**	**CALIBRATION CERTIFICATE OF**
Date of Calibration :	10.08.2021	
Next Date for Calibration	10.08.2022	
(As per agreed with the Customer)		**Bio-Chemistry Analyzer**
Certificate Issue Date	11.08.2021	

CUSTOMER ADDRESS	**DESCRIPTION OF DEVICE UNDER CALIBRATION**	
M/s Curis Diagnostics	**Make / Model**	Microlab In shine /RX-50V
F-24/25, Sector-3, Rohini,	**Instrument Sr. No.**	1711963
New Delhi -110085 INDIA	**Resolution / Least Count**	As Per Range
	Range / Size	As Per Insrument
SERVICE REQUEST FORM DETAILS	**Asset Code / I.D No.**	CD/BIO-CHEM/LAB/01
Service Request / Job No. 1121/1121-1	**Location**	LAB
Service Request Dated 09.08.2021	**Instrument Condition**	In working

Calibration Procedure	HY/WI/2MD08		**Calibration Performed At**	At Site	
Reference Standard	NABL-126		**Discipline**	Medical	
ENVIRONMENTAL CONDITIONS	**Temperature**	(25 ± 15) °C	**Relative Humidity**	(60 ± 15) %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	CC205520000004619F	TNC	17.03.2022
2	Digital Multimeter with PRT Sensor	CC281200000001496F	TMPL	08.10.2021
3	Std. Weights	CC205521000004621F	TNC	17.03.2022
4	Digital Weighing Machine	CC205520000004620F	TNC	17.03.2022
5	Electrical Safety Analyzer	CC205520000000755F	TNC	18.01.2022

The Standards used for calibration are traceable to National Standards.

CALIBRATION RESULT

Maxima Found at	Standard Wavelength	Tolerance Limit
360nm	360.50nm	(upto 400 nm)±1nm
419nm	418.80nm	(400 upto 600 nm)±3nm
453nm	453.90nm	(400 upto 600 nm)±3nm
537nm	536.40nm	(400 upto 600 nm)±3nm
640nm	638.30nm	(600 upto 1000 nm)±4nm

PARAMETER	DUC VALUE (°C)	STANDARD VALUE (°C)	ERROR (°C)	Uncertainty ± (%)
Temperature	20.1	20.002	0.098	0.95
	25.1	25.006	0.094	0.95
	28.2	28.009	0.191	0.95
	30.2	30.012	0.188	0.95
	35.3	35.018	0.282	0.95

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Calibration Certificate

Certificate No.	**HY/21/1121-1**	**CALIBRATION CERTIFICATE OF**
Date of Calibration :	10.08.2021	
Next Date for Calibration	10.08.2022	
(As per agreed with the Customer)		
Certificate Issue Date	11.08.2021	**Bio-Chemistry Analyzer**

CALIBRATION RESULT

PARAMETER	DUC VALUE (µl)	STANDARD VALUE (µl)	ERROR (µl)	Uncertainty ± (µl)
Volume	200	200.11	-0.11	4.0
	500	500.23	-0.23	4.0

1. Electrical Safety

Visiual Test

Sr. No	TESTS	REMARKS
1	Power Chords, Cable Check	OK
2	Main Socket Check	OK
3	Equipment Type (B/BF/CF)	B
4	Equipment Class (I/II/III)	I

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

2. Electrical Safety Test

Sr. No	PARAMETERS	Measured Value		REMARKS
1	Voltage Between Line & Neutral (V in)	236.4	V	OK
2	Voltage Between Line & Earth (V ie)	243.6	V	OK
3	Voltage between Neutral & Earth (V en)	2.2	V	OK
4	Load Current (I a)	0.5	A	OK
5	Earth Leakage Current (I L)	7.8	µA	OK
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