



# HYTECH CALIBRATION LAB PVT. LTD.

25F, C-2 Shriram Complex, Nyay Khand-I, Indirapuram, Ghaziabad-201014 (U.P) INDIA  
Ph. No. +91-9899380410, +91-7669021291-95, 24x7 No.: +91-9716668085



## Calibration Certificate

Format No. : HY/FM/33

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<b>Certificate No.</b>	HY/24/3546-1	<b>CALIBRATION CERTIFICATE OF</b>  <b>Bio-Chemistry Analyzer</b>
<b>Date of Calibration :</b>	01.04.2024	
<b>Next Date for Calibration</b>	01.04.2025	
(As per agreed with the Customer)		
<b>Certificate Issue Date</b>	03.04.2024	

<b>CUSTOMER ADDRESS</b>		<b>DESCRIPTION OF DEVICE UNDER CALIBRATION</b>		
M/s Ujala Cygnus Superspeciality Hospital Huda Bypass Road Sector 20, Kaithal Haryana 136027 INDIA		<b>Make / Model</b>	TRANSASIA ERBA/CHEM-5	
<b>SERVICE REQUEST FORM DETAILS</b>		<b>Instrument Sr. No.</b>	C1607107	
<b>Service Request / Job No.</b>	3546/3546-1	<b>Resolution / Least Count</b>	As Per Range	
<b>Service Request Dated</b>	30.04.2024	<b>Range / Size</b>	As Per Instrument	
		<b>Asset Code / I.D No.</b>	-----	
		<b>Location</b>	Lab	
		<b>Instrument Condition</b>	In working	
<b>Calibration Procedure</b>	HY/WI/2MD08	<b>Calibration Performed At</b>	At Site	
<b>Reference Standard</b>	NABL-126	<b>Discipline</b>	Medical	
<b>ENVIRONMENTAL CONDITIONS</b>	<b>Temperature</b>	(25 ± 15) °C	<b>Relative Humidity</b>	(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 With Analyzer	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	Semi Micro Balance	QCL/2023/002043	QCL	11.09.2024
5	Electrical Safety Analyzer	CCTPL/ESA/0092/01	CCTPL	08.05.2024

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	200.17	-0.17	4.0
	500	500.28	-0.28	4.0
PARAMETER	DUC VALUE( μl)	STANDARD VALUE(μl)	ERROR(μl)	Uncertainty± (μl)
Aspiration Volume	100	100.17	-0.17	4.0
	200	200.23	-0.23	4.0
	400	400.26	-0.26	4.0
PARAMETER	DUC VALUE(mm)	STANDARD VALUE(mm)	ERROR(mm)	Uncertainty± (mm)
Low Cell Optical Path	5	5.02	-0.02	4.0
	10	10.03	-0.03	4.0
Maxima Found at	Standard Wavelength		Tolerance Limit	
360nm	360.50nm		(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 (°C)	STANDARD VALUE (°C)	ERROR (°C)	Uncertainty ± (°C)
Temperature	20.1	20.004	0.096	0.65
	25.1	25.016	0.084	0.65
	30.2	30.038	0.162	0.65
	35.3	35.054	0.246	0.65

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

<b>Note :-</b> 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.		<b>CALIBRATED BY</b> (Calib. Engineer)
		<b>APPROVED BY</b> (Authorized Signatory)

FORMERLY HYTECH INSTRUMENT

✉ info@hytechcalibration.com 🌐 www.hytechcalibration.com



OUR PRESENCE : GHAZIABAD PUNE REWARI HARIDWAR LUDHIANA LUCKNOW JAIPUR