Installation Qualification

To verify that the facilities provided for the installation of Eurocount 5L meets the requirements for the system and that all components of the system have been delivered, ready for installation in accordance with the standard for the system and other appropriate regulations.

Purpose: The purpose of the installation qualification (IQ) is to confirm that the instrument is installed as per the requirement.

Step	Parameter	Expected Result	Observed	Remarks
1	Ground voltage(voltage between Line and earth)	< 3.0 V	2 v	OK
2	Line voltage (voltage between line and neutral)	180V to 245V	227 V	OK
3	Capacity of online ups	≥ 1000W	2KVA	OL
Unpacking				
Caution: Unpacking and lifting is 2 persons job				
4	Package inspection	No damage and sealed	✓	OK
		Accessory box is complete	✓	OK
		Accessory box included computer	✓	OK

- ◉ The analyzer passed the installation qualification
- ○ The analyzer didn't pass the installation qualification

Engineer name and signature

Customer name and signature

Medsource Ozone Biomedicals Pvt. Ltd.
Corporate office: Plot No109, HSIIDC, Sector-31,
Faridabad - 121003 (Haryana), Phone: +91-129-4286600/612
Email mail@ozonebio.com, Website: www.ozonebio.com.

Operational Qualification

Purpose: The purpose of the operational qualification (OQ) is to ensure that the system can be operated as expected and to devise the standard operating procedure.

Step	Parameter	Expected result	Result
1	Connect Diluent, H-Lyse, D-Lyse supplied by Medsource ozone Biomedicals Pvt ltd	Connected with enough quantity	Checked OK
2	Remove all transportation TAG(Movement of the probe)	Removed to ensure the free movement of mechanical part(probe)	Done OK
3	Switch ON the instrument and wait for completing start up	Software started with no error message Plt value below 10 in blank	Ok
4	Check the reagent tube of Diluent, H-Lyse, D-Lyse	Tubes fill with reagents	Ok
5	Check the Probe position	Probe should be in home position	Ok
6	Check the probe condition	It's should not be in bent or damage condition	Ok.
7	Read Rf cardof Diluent, H-Lyse, D-Lyse	Values should be matched as Physically available and software displayed.	Ok
8	Training	Have all users been properly trained on the safety, theory of operation and maintenance of the Eurocount 5L?	Ok.

- [x] The analyzer passed the operational qualification
- [ ] The analyzer didn't pass the operational qualification

Special note:

Engineer name and signature

Customer name and signature

Medsource Ozone Biomedicals Pvt. Ltd.

Corporate office: Plot No109, HSIIDC, Sector-31,
Faridabad - 121003 (Haryana), Phone: +91-129-4286600/612
Email mail@ozonebio.com, Website: www.ozonebio.com.

Performance Qualification

Purpose: The purpose of the performance qualification (PQ) is to confirm that the instrument is installed and performed as per requirement.

Step	Parameter	Expected result	Obtained value	Result
1	Background of WBC	≤0.2 x 10^9/L	0.01	OK
2	Background of RBC	≤0.02 x 10^{12} /L	0.00	OK
3	Background of PLT	≤10 x 10^9/L	1.00	OK
	Background of HCT	≤0.5%	0.00	OK
4	Background of HgB	≤1g/L	0.00	OK
5	Accuracy study	The results of both QC samples should be in the specified range	ATTACHED	OK
6	Precision study	The CV% should be lesser than 5% for each parameter	ATTACHED	OK

Reports Print out	Expected	Remarks
Reports of both QC	Attached printout/ Saved file name and location	ATTACHED
Reports of precision done	Attached printout/ Saved file name and location	ATTACHED

- [x] The analyzer passed the performance qualification
- [ ] The analyzer didn't pass the performance qualification

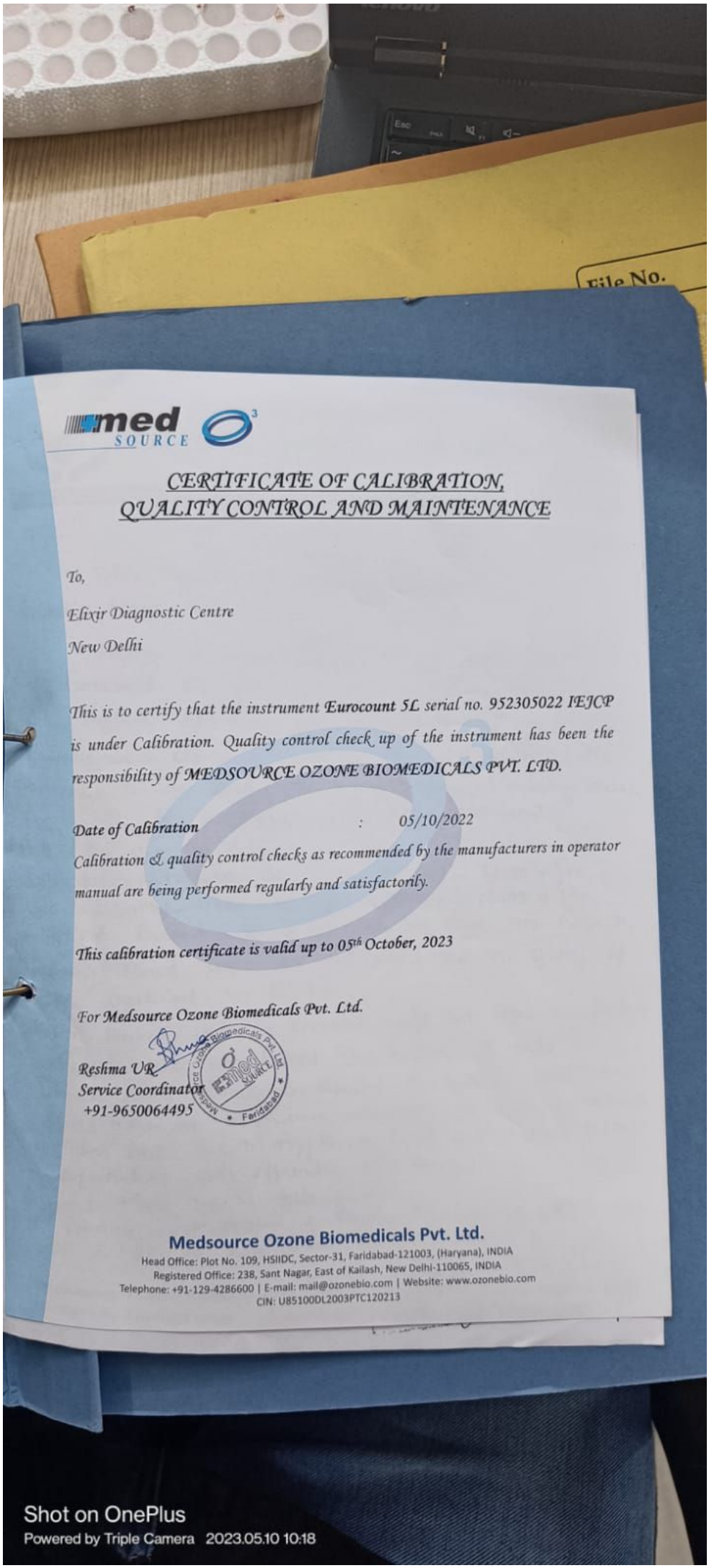
Special note:

Engineer name and signature

Customer name and signature

med
Medsource Ozone Biomedicals Pvt. Ltd.

Corporate office: Plot No109, HSIIDC, Sector-31,
Faridabad - 121003 (Haryana), Phone: +91-129-4286600/612
Email mail@ozonebio.com, Website: www.ozonebio.com.



med SOURCE

CERTIFICATE OF CALIBRATION, QUALITY CONTROL AND MAINTENANCE

To,

Elixir Diagnostic Centre

New Delhi

This is to certify that the instrument **Eurocount 5L** serial no. **952305022 IEJCP** is under Calibration. Quality control check up of the instrument has been the responsibility of **MEDSOURCE OZONE BIOMEDICALS PVT. LTD.**

Date of Calibration : 05/10/2022

Calibration & quality control checks as recommended by the manufacturers in operator manual are being performed regularly and satisfactorily.

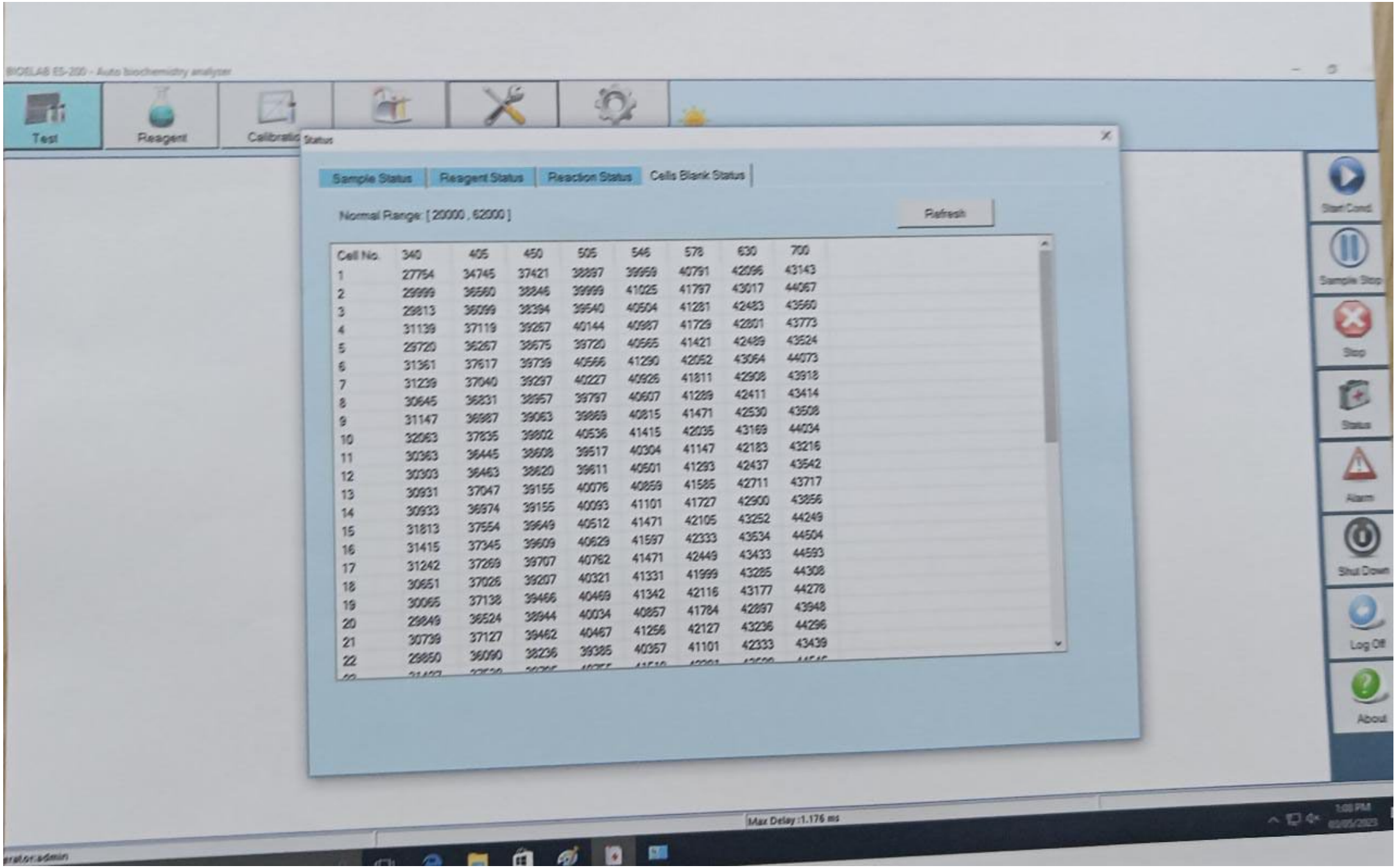
This calibration certificate is valid up to 05th October, 2023

For **Medsource Ozone Biomedicals Pvt. Ltd.**

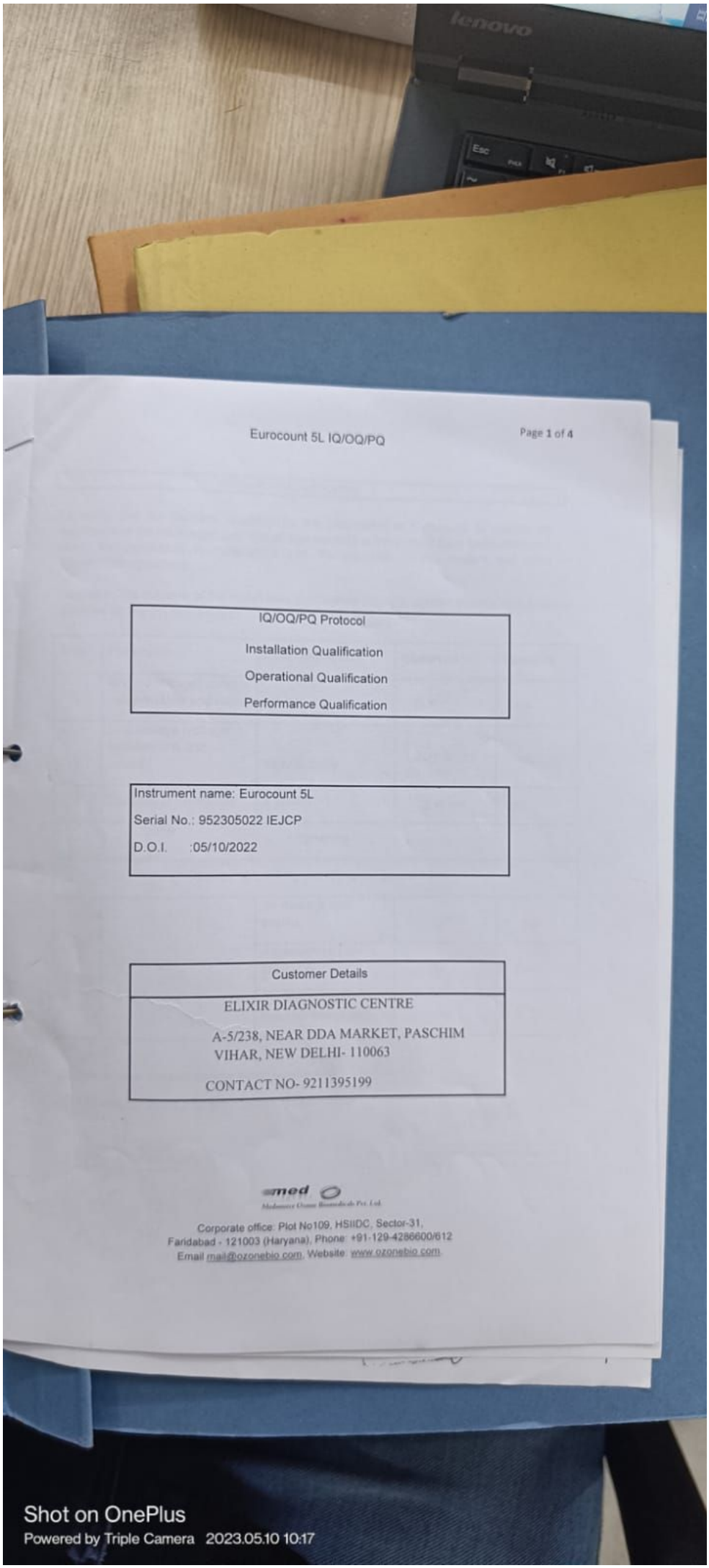
Reshma UR
Service Coordinator
+91-9650064495

Medsource Ozone Biomedicals Pvt. Ltd. Faridabad

Medsource Ozone Biomedicals Pvt. Ltd.
Head Office: Plot No. 109, HSIIDC, Sector-31, Faridabad-121003, (Haryana), INDIA
Registered Office: 238, Sant Nagar, East of Kailash, New Delhi-110065, INDIA
Telephone: +91-129-4286600 | E-mail: mail@ozonebio.com | Website: www.ozonebio.com
CIN: U85100DL2003PTC120213



Cell No.	340	405	450	505	546	578	630	700
1	27754	34745	37421	38897	39959	40791	42096	43143
2	29999	36560	38846	39999	41025	41797	43017	44067
3	29813	36099	38394	39540	40504	41281	42483	43560
4	31139	37119	39267	40144	40987	41729	42901	43773
5	29720	36267	38675	39720	40565	41421	42489	43524
6	31361	37617	39739	40566	41290	42052	43064	44073
7	31239	37040	39297	40227	40926	41811	42908	43918
8	30645	36831	38957	39797	40607	41289	42411	43414
9	31147	36987	39063	39869	40815	41471	42530	43508
10	32063	37835	39602	40536	41415	42036	43169	44034
11	30363	36445	38608	39517	40304	41147	42183	43216
12	30303	36463	38620	39611	40501	41293	42437	43542
13	30931	37047	39155	40076	40859	41585	42711	43717
14	30933	36974	39155	40093	41101	41727	42900	43856
15	31813	37554	39649	40512	41471	42105	43252	44249
16	31415	37345	39609	40629	41597	42333	43534	44504
17	31242	37269	39707	40762	41471	42449	43433	44593
18	30651	37026	39207	40321	41331	41999	43285	44308
19	30065	37138	39466	40469	41342	42116	43177	44278
20	29849	36524	38944	40034	40857	41784	42897	43948
21	30739	37127	39462	40467	41256	42127	43236	44296
22	29850	36090	38236	39385	40357	41101	42333	43439



IQ/OQ/PQ Protocol
Installation Qualification
Operational Qualification
Performance Qualification

Instrument name: Eurocount 5L
Serial No.: 952305022 IEJCP
D.O.I. :05/10/2022

Customer Details
ELIXIR DIAGNOSTIC CENTRE
A-5/238, NEAR DDA MARKET, PASCHIM VIHAR, NEW DELHI- 110063
CONTACT NO- 9211395199

Corporate office: Plot No109, HSIIDC, Sector-31,
Faridabad - 121003 (Haryana), Phone: +91-129-4286600/612
Email mail@ozonebio.com, Website: www.ozonebio.com.

MECHANICAL | THERMAL | ELECTRO-TECHNICAL

CALIBRATION CERTIFICATE

CC-2888

SIGMA TEST & RESEARCH CENTRE

CALIBRATION CERTIFICATE OF : SPRT With Precision Temperature Scanner

Calibration Certificate No.: ULR-CC288822000002076F **Issued Date:** 17/12/2022

Job Reference No.	**SCAL/22/00383-1**	**Calibration Date :**	16&17/12/2022	**Page 1 of 1**
Recommended Date of Next Calibration: (As Requested By Customer)	16/12/2023	**Date of Receipt :**	16/12/2022	

Calibrated For:	**M/s. Nutan Calibration Lab** 1/536E, Gali No-4B, II Second Floor, Friends Colony Industrial Area ,Shahdara, Delhi - 110095, India	**Reference:** C.R Form Date : 16/12/2022

Item Description

Name of the Item	Condition of Instruments	Make/Model	Sr. No. / ID.	Range	Least Count
SPRT With Precision Temperature Scanner	Visual Inspection: Ok	Fluke & Fluke / 5609 & 1586A	02623/ NCL/TH/050	-80 to 660 °C	0.001 °C
	Zero Error: Nil				
Calibration at:	Lab	**DUC Location:**		----	

Environment Condition

Temperature (°C)	25 ± 4	**Relative Humidity (%) RH**	30 to 75

STANDARD REFERENCE DETAILS

Standard used	Make/Model	Certificate No.	Calibration Agency/ Traceability	Calibration Validity Period	Uncertainty at 95% CL *k =2*
SPRT With Digital Thermometer (CH-2)	Fluke & Fluke /5609 & 1529	CC288822000002056F	Sigma Test & Research Centre	05&06/12/2022 to 05/12/2023	As per Calibration Certificate

METHODOLOGY OF CALIBRATION: As per Calibration Procedure No.: SCAL/SOP-T04

Equipment Used: Fluke 7381 & 9173

Results For THERMAL: All readings are in °C

Average Value of Standard	Average Value of DUC Set/Display	Error	Uncertainty
-79.9608	-79.843	0.1178	± 0.06
-29.9734	-29.943	0.0304	± 0.06
0.0103	0.0512	0.0409	± 0.06
99.9944	100.043	0.0486	± 0.06
199.9808	199.829	-0.1518	± 0.06
399.9435	399.777	-0.1665	± 0.06
649.9133	649.699	-0.2143	± 0.06

Decision Rule Required (As per the customer request): No.

The reported expanded uncertainty of the measurement was evaluated at confidence level approximately 95% with coverage factor *k=2* for a normal distribution.

Notes:

1. The calibration results reported in this certificate are valid at the time of and under the stated conditions.
2. This certificate cannot be reproduced except in full without our prior permission in writing.
3. This certificate refers only to the Particular items submitted for calibration.
4. DUC Stands for Device Under Calibration.
5. Laboratory Standards are traceable to National/International Standards
6. Temperature Scale: International Temperature Scale ITS:90

Calibrated By	Authorised Signatory
K. V Maurya (Calibration Engineer)	Lokesh Kumar (Technical Manager)

SIGMA TEST & RESEARCH CENTRE, 99, Badli Industrial Area, Ph: 66-67

*** End of Certificate ***

SCAL/TS/F/CC

Calibration Lab :
99, Badli Industrial Area, Phase-2, New Delhi-42

Contact Details
Testing : +91 11 49491400
Calibration : +91 11 42484846
web : www.sigmatest.org | E-mail : info@sigmatest.org

TANSON INSTRUMENT

(ULTRA-HIGH PRECISION MEASUREMENT & CALIBRATION)

ilac-MRA

CC-2660

CALIBRATION CERTIFICATE OF CALIPER CHECKER

Calibration Date: 15/03/2022 **Suggested Due Date:** 14/03/2024 **No. of Pages:** 1 of 2

ULR NO.: CC266022000000489F Certificate No. TI/C/CC/007/22

Tested for	:	**M/s. NUTAN CALIBRATION LAB.** H. No. 445-B, 'NSI House' Street No. 8, Durgapuri Extension Shahdara, Delhi-110093 (India).
Description & Identification of Instruments	:	Caliper Checker Range: 0-600mm, Make: KCP, Sr. No.: 1548, Id. No.: NCL/M/010, Model No.: CC 600, Material: Steel.
Coefficient of Thermal Expansion	:	$11.5 \times 10^{-6}/^{0}C$
Test Purpose	:	Measurement of Caliper Checker for their mean length
Environmental Conditions	:	Temperature $(20 \pm 1)^{0}C$ Humidity : (50±10)%
Method Used	:	Comparison method as per TI/WI/01
Major Equipment Used	:	Laser Interferometer, S. No H43179, Make: Renishaw, Model: XL 80, Calibrated from NPL New Delhi, Vide their Certificate No. 20100740/D 1.02/C-093, Calibrated dated 21/10/2020 valid up to 21/10/2022, Angular Uncertainty : 0.01 Sec. and Linear Uncertainty : ± 0.1 µm/m.
Uncertainty of measurement (At 95% Confidence level with Coverage factor *k*=2)	:	**± 1.47 µm upto 600 mm.**

Calibrated By
Rahul Yadav

TANSON INSTRUMENT FBD

Approved By
(Sumit Tanwar)

TRUE COPY

Weightronics Mass Calibration Laboratory (WMCL)

WEIGHTRONICS
An ISO 9001 : 2015 Company

D-46, Sector - 4, DSIIDC, Bawana, Delhi - 110 039, INDIA
Phone : + 91-11-4709 2663, 2776 2663
E-mail : info@weightronics.net, Web : www.weightronics.net

CC-2743

Calibration Certificate

Format No.: 7.8-QF-02

Issue Dated: 06-09-2021

Recommended Date for the Next Calibration Mentioned As Per Request of the Customer Date: 03-09-2023	Page -1-	No. of Pages -2-

Certificate No.: WMCL/E/2021-09/1456
ULR - CC274321000001456F

Date of Calibration: 04-09-2021

Calibrated for	:	NUTAN CALIBRATION LAB A-220, Sector – A4, Trans Delhi Signature City, Loni, Ghaziabad – 201 103, Uttar Pradesh, INDIA
Customer Reference	:	P.O. No.: By E-mail, Dated: 13/07/2021
Service Request No	:	7.8-QF-01-1456
Date of Receipt	:	02/09/2021
Condition of Receipt	:	Satisfactorily
Calibrated at	:	Laboratory
Description of Instrument	:	Make – "WEIGHTRONICS"
200 g to 1 g	:	Stainless Steel Knob Type Laboratory Weights
0.5 g to 0.001 g	:	Stainless Steel Wire Type Laboratory Weights
Manufacturer Serial No	:	WT/AS-II/2021/1456
Customer Identification No	:	---
Assumed Density (d)	:	(7 950 $\pm$ 140) kg/m^3; (k=2) for Stainless Steel
Environmental Conditions	:	Temperature : (23.0 $\pm$ 2.0)^{0}C
	:	Relative Humidity : (50.0 $\pm$ 10.0) %
		[Change in Temperature and Relative Humidity during the calibration were less than $\pm$ 0.7^{0}C per hour and $\pm$ 10.0 % per 4 hours respectively]
Standard (s) used	:	WMCL working standard of mass with uncertainty Better than one-third of the reported uncertainty of measurement
Traceability Standard (s)	:	The Standard used for Calibration are Traceable from "NPL" New Delhi, INDIA vide Calibration Certificate No.: 19100740/D1.01/C-114, Dated: 03/12/2019 valid up to Dated: 03/12/2022
Balance used for Calibration	:	Precision Balances of Appropriate Accuracy Traceable to Mass Standards
Methodology of Calibration Adopted	:	The Method of comparison with standard (s) using Substitution Weighing Method and (ABBA or ABA) Weighing Cycle, The Reported Mass Values(s) is (are) the conventional mass value(s) (M_C) related to the true mass value(s) (M_T) by formula: $M_C=M_T$ [1-1.2(1/d-1/8000)]. (Where,'d' is in kg/m^3). (Cal. Procedure No.: WMCL-CP-01)

Issued by:

Lalit Shukla
Authorized Signatory

TRUE COPY

NCL Pvt. Limited

CC-2213

CALIBRATION CERTIFICATE

Discipline : - Thermal		7.8 F-02/(T)	Page 1 of 1
ULR No.:- CC221323000001805F		Date of Request	24.03.2023
Certificate No. : NCL/C/2023/63/01		Date of Receipt of Item	25.03.2023
Calibrated For	M/s. Nutan Calibration Lab . 1/536E, Gali No-4A, II Second Floor, Friends Colony , Industrial Area, Shahdara, Delhi-110095. (INDIA)	Calibrated on	25.03.2023
		Suggested Next Due Date	24.03.2024
		Cert. Issue Date	27.03.2023

Description of Sample

Nomenclature	Humidity Indicator with sensor	Accuracy	N/A
		Condition of UUC	Satisfactory
Make/Model No.	Yudian /N/A	Calibration Performed at	Lab
Range	3 ~ 95 % RH	Calibration Procedure No.	CP/T-08
Least count	0.1 RH %	Test Purpose	Calibration
S.No.	16B068769	Reference Standard	ITS:90
Party ID Mark No.	NCL/TH/051	Environmental Cond's	25±4 °C
Location	Thermal Lab	RH %	30-75%

Master Equipment / Standard Used

S.N	Nomenclature	Make	S.No./ I/D Mark	Calibrated By	Certificate No.	Due Date of Cal.
1	Digital Temperature & Humidity Indicator With Sensor	Polltech	4819 / 20275540 NCL/DTHM-01	JRPM	JRPM-CCTR-THER-2022-2278	22.11.2023

Standard used for calibration are traceable to National Standards through unbroken chain of calibration.

RESULTS -Humudity @ 25 °C

S.N.	Std. Reading in (% RH)	UUC Reading in (% RH)	Error in (% RH)	Uncertainty ±(% RH)
1	20.03	19.6	-0.43	1.1
2	30.07	29.5	-0.57	1.1
3	50.07	49.6	-0.47	1.1
4	70.08	69.5	-0.58	1.1
5	94.90	94.7	-0.20	1.1

Uncertainty expressed at approximately 95% Confidence Level with Coverage factor k = 2.

Remarks:

Note :-

1. This results of calibration refers only to the particular item submitted for calibration
2. This certificate shall not be reproduce,expert in full, without the written permission of the laboratory.
3. The above result are valid at the time of and under the stated condition of measurement.
4. Calibration certificate without signature are not valid.
5. *UUC = Unit under Calibration
6. Statement of Conformity and applicable decision Rule as Standard.
7. Observed values are average values

NCL PVT. LTD. TRUE COPY GHAZIABAD

Calibrated By

Ritika Kansal / Pinki

Calibration Engineer

Approved By

Yogesh Kumar / Nishant Tyagi

Quality Manager/Technical Manager

B.D. NAGAR, OPP - REGENT MARUTI SHOWROOM, MEERUT ROAD, GHAZIABAD PIN 201003 UTTAR PRADESH
TEL : 0120-2780018 MOBILE : 8750846662, 8750846663
Website : www.nclpl.com E-mail: lab@nclpl.com, qualitymgr@nclpl.com,technicalmgr@nclpl.com

PV CALIBRATION LABORATORY PRIVATE LIMITED

16 SCP-38, SECTOR-16A, VASUNDHARA, GHAZIABAD, (U.P.)-201012
PH.: 9899983640, 0120-4118183 EMAIL: PVCALLAB@GMAIL.COM

PV CAL LAB

CALIBRATION CERTIFICATE

CC-2276

ULR-CC227623000001077F

1) Service Request No. & Date :2023/072 & 27/02/2023	2) Certificate No. : PV/2302/0275
3) Name & Address of Customer : M/S -NUTAN CALIBRATION LAB. 1/536E, 2nd Floor ,Gali No.4A,Friends Colony ,Industrial Area Shahdara,Delhi-110095	4) Calibration Date : 27/02/2023 5) Due Date : 26/02/2024 (Requested By Customer) 6) Calibration Location :LAB 7) Page No. : 1 of 1

8) CONDITION OF ITEM & : OK & 24/01/2023
DATE OF RECEIPT

9) DESCRIPTION OF ITEM:

NAME :	DIGITAL TACHOMETER	MAKE & MODEL :	ELECTRONIC AUTOMATION & DT2001-B
Sr. No. :	1317/1047001036	ID. No. :	NCL/M/057
RANGE :	0 – 26000 RPM	RESOLUTION :	0.1/1 RPM
LOCATION :	-----	SPECIFIED ACCURACY :	----

10) DETAILS OF CALIBRATION STANDARDS USED:

NOMENCLATURE	MAKE & SR.NO.	CERTIFICATE NO.	CERTIFIED BY	CALIBRATION VALIDITY
DIGITAL TACHOMETER	LINE SEIKI	HT/CC/220620-07/001	HI TECH	23/06/2023

11) ENVIRONMENTAL CONDITIONS:
AMBIENT TEMPERATURE : (20±2)°C
RELATIVE HUMIDITY :(50±10)% RH

12) CALIBRATION PROCEDURE NO. : WI(M)/12
13) REFERENCE IS STANDARD :----
14) RESULTS:MECHANICAL (ACCELERATION & SPEED) FIELD

Sl. No.	CAL. POINT (RPM)	MEASURED ON UUC IN (RPM)	MEASURED ON STD. IN (RPM)	DEVIATION IN (RPM)	UNCERTAINTY REPORTED
1.	26	26.1	26.2	-0.1	±0.64RPM
2.	50	50.1	50.1	0.0	±1.0 RPM
3.	100	100.2	100.1	0.1	±1.0 RPM
4.	500	500.2	500.1	0.1	±1.0 RPM
5.	1000	1000.3	1000.1	0.2	±1.0 RPM
6.	10000	9999	10000.2	-1.2	±2.85 RPM
7.	26000	25999	26000.1	-1.1	±6.17 RPM

15)CERTIFICATE ISSUE DATE: 28/02/2023

The reported uncertainty is the expanded uncertainty in measurement obtained by multiplying the standard uncertainty by the coverage factor k = 2, which corresponds to a coverage probability of approximately 95.45% for a normal distribution.

NOTE : (1) The certificate will not be reissued without the written permission of higher authority.
(2) Standard(s) are traceable to National/International Standard
(3) Recommended due date is suggested by the customer.
(4) Result is the average of five readings.
(5) This report refers only to the particular item calibrated at lab/site.
(6) The calibration results reported are valid at the time of and under the stated conditions of measurements.
(7) The calibration certificate should not be reproduced in parts except in full without formal approval of lab.

CALIBRATED BY

CALIBRATION ENGINEER

TRUE COPY

PV CALIBRATION LABORATORY PVT. LTD. GHAZIABAD

APPROVED BY

(VARUN KUMAR DUBEY)
TECHNICAL MANAGER

END OF CERTIFICATE*

NUTAN CALIBRATION LAB.

NABL Accredited Laboratory

CALIBRATION CERTIFICATE

Certificate No.	NCL/M/TM/230512.1.2	**Page No.**	1 of 1
SRF No./Date	S161/ 12.05.2023	**Date of Receipt**	12.05.2023
Company Name & Address	M/s. Elixir Diagnostic Center A-5/238, Ground Floor, Near A-5 DDA Market, Paschim Vihar, New Delhi-110063.	**Date of Calibration** **Suggested Due Date** **Certificate Issue Date** **UUC Condition** **Calibration Performed At**	12.05.2023 11.05.2024 13.05.2023 Good Site

Detail of UUC Equipment:		**Enviromental Conditions**
Instrument Name	Microscope	Temperature (Degree C) (20 ± 5) Relative Humidity (%) (50 ± 20)
Range	100 to 180 mm(H)/ 0 to 50 mm (V)/ 10X	
Least Count	1 mm	
Make/Model No.	Magnus/-----	
Serial No./I.D. No.	15K0107/-----	**Reference Standard**
Location	-----	Indian Standard

Standard Equipment Used

Calibrated Digital Vernier Caliper					
S.No.	**Instrument Name**	**Make/Serial No.**	**Calibrated By**	**Certificate No.**	**Due Date**
1	Caliper Checker	KCP/1548	Tanson Instrument	TI/C/CC/007/22	14.03.2024
Standard used is/are calibrated in SI units and treceable to national standard through unbreakable chain of calibration.					

Calibration Results

S.No.	Horizontal		Vertical	
	Standard Value (mm)	UUC Value (mm)	Standard Value (mm)	UUC Value (mm)
1	100.00	100.00	10.00	10.00
2	120.00	120.00	20.00	20.00
3	140.01	140.00	30.00	30.00
4	159.99	160.00	39.99	40.00
5	180.01	180.00	50.01	50.00

Magnification 10X

Nominal Value (in mm)	Magnification Observed (in mm)
2	19.96
5	49.93
10	99.91

Note:-

1. The calibration results reported in this certificate are valid at the time of calibration & under stated conditions.
2. This certificate cannot be reproduced except in full without our prior permission in writing.
3. This certificate refers only to the particular items submitted for calibration.
4. UUC- Unit under calibration.
5. Expanded Uncertainty Measurement at approx 95% confidence level and coverage factor k = 2 is ± 30 µm
6. Above results are not as per NABL Scope.

(Sunil Kumar)
Calibration Engineer

NUTAN CALIBRATION LAB. CALIBRATED Delhi-110095

(Y.K. Sharma)
Technical Manager

Lab : 1/536E, II FLOOR, GALI NO. 4A, FRIENDS COLONY, INDUSTRIAL AREA, SHAHDARA DELHI - 110095
E-mail : nutancalibrationlab@gmail.com • **Visit us at** : www.nutancalibrationlab.com
Mob. : 09810116845, 07042500525, 28, 29

NUTAN CALIBRATION LAB.

NABL Accredited Laboratory

CC-2001

CALIBRATION CERTIFICATE

Certificate No.	NCL/TH/DTM/230512.1.4	**Page No. 1 of 1**	
ULR No.	CC200123000008311F		
SRF No./Date	S161/ 12.05.2023	**Date of Receipt**	12.05.2023
Company Name & Address	M/s. Elixir Diagnostic Center A-5/238, Ground Floor, Near A-5 DDA Market, Paschim Vihar, New Delhi-110063.	**Date of Calibration** **Suggested Due Date** **Certificate Issue Date** **UUC Condition** **Calibration Performed At**	12.05.2023 11.05.2024 13.05.2023 Good Site

Detail of UUC Equipment:		**Enviromental Conditions**	
Instrument Name	Digital Thermometer(Refrigerator)	Temperature (Degree C) (25 ± 10) Relative Humidity (%) (50 ± 20)	
Range	-50°C to 300°C		
Least Count	0.1°C		
Make/Model No.	Multi/ST-9283B		
Serial No./I.D. No.	-----	**Reference Standard**	**S.O.P. No.**
Location	Lab.	IS: 5681:1992	NCL/SOP/TH02

Standard Equipment Used

S.No.	Instrument Name	Make/Serial No.	Calibrated By	Certificate No.	Due Date
1	SPRT with Precision Temp. Scanner	Fluke/02623	Sigma Test & Research Centre	CC288822000002076F	16.12.2023
Standard used is/are calibrated in SI units and treceable to national standard through unbreakable chain of calibration.					

Calibration Results

S.No.	Parameter/Range (in °C)	Standard Value (In °C)	UUC Value (in °C)	Deviation (in °C)	Expanded Uncertainty at 95% Confidence Level k = 2 is ± (°C)
1	-15	-15.087	-15.2	-0.113	0.70
2	0	-0.036	0.1	0.136	0.70
3	10	10.052	10.2	0.148	0.70
4	25	25.085	25.3	0.215	0.70

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4. UUC- Unit under calibration.

(Bharat Bhushan)
Calibration Engineer

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(Y.K. Sharma)
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CALIBRATION CERTIFICATE

Certificate No.	NCL/TH/DTH/230512.1.5	**Page No. 1 to1**	
ULR No.	CC200123000008312F		
SRF No./Date	L206/ 12.05.2023	**Date of Receipt**	12.05.2023
Company Name & Address	M/s. Elixir Diagnostic Center A-5/238, Ground Floor, Near A-5 DDA Market, Paschim Vihar, New Delhi-110063.	**Date of Calibration** **Suggested Due Date** **Certificate Issue Date** **UUC Condition** **Calibration Performed At**	12.05.2023 11.05.2024 13.05.2023 Good Lab

Detail of UUC Equipment:		**Enviromental Conditions**	
Instrument Name	Digital Thermo Hygrometer	Temperature (Degree C) (25 ± 2.5) Relative Humidity (%) (50 ± 10)	
Range	-10 to 50°C/ 10 to 99% RH		
Least Count	0.1°C/ 1% RH		
Make/Model No.	HTC/-----		
Serial No./I.D. No.	-----	**Reference Standard**	**S.O.P. No.**
Location	Lab.	IS: 7358: 1984	NCL/SOP/TH04,05

Standard Equipment Used

S.No.	Instrument Name	Make/Serial No.	Calibrated By	Certificate No.	Due Date
1	SPRT with Precision Temp. Scanner	Fluke/02623	Sigma Test & Research Centre	CC288822000002076F	16.12.2023
2	Humidity Indicator With Probe	Yudian/NCL/TH/051	NCL Pvt. Ltd.	NCL/C/2023/63/01	24.03.2024

Standard used is/are calibrated in SI units and treceable to national standard through unbreakable chain of calibration.

Calibration Results

S.No.	Parameter/Range (In °C)	Standard Value (In °C)	UUC Value (In °C)	Deviation (In °C)	Expanded Uncertainty at 95% Confidence Level k = 2 is ± (°C)
1	20	20.023	20.2	0.177	0.85
2	30	29.822	30.0	0.178	0.85
3	40	40.082	40.2	0.118	0.85
4	50	50.069	50.3	0.231	0.85
S.No.	**Parameter/Range (In % RH)**	**Standard Value (In % RH)**	**UUC Value (In % RH)**	**Deviation (In % RH)**	**Expanded Uncertainty at 95% Confidence Level k = 2 is ± (% RH)**
1	40	40.3	37	-3.3	3.00
2	60	60.4	57	-3.4	3.00
3	80	79.7	76	-3.7	3.00
4	95	94.2	91	-3.2	3.00

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4. UUC- Unit under calibration.

(Bharat Bhushan)
Calibration Engineer

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(Y.K. Sharma)
Technical Manager

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CALIBRATION CERTIFICATE

Certificate No.	NCL/M/DP/230512.1.6	**Page No.**	1 of 1
SRF No./Date	L206/ 12.05.2023	**Date of Receipt**	12.05.2023
Company Name & Address	M/s. Elixir Diagnostic Center A-5/238, Ground Floor, Near A-5 DDA Market, Paschim Vihar, New Delhi-110063.	**Date of Calibration** **Suggested Due Date** **Certificate Issue Date** **UUC Condition** **Calibration Performed At**	12.05.2023 11.05.2024 13.05.2023 Good Lab.

Detail of UUC Equipment:		**Enviromental Conditions**
Instrument Name	Digital Pipette	Temperature (Degree C) (25 ± 2.5) Relative Humidity (%) (50 ± 10)
Range	10 to 200 µl	
Least Count	1 µl	
Make/Model No.	Capp/-----	
Serial No./I.D. No.	-----	**Reference Standard**
Location	Lab.	ISO 8655:2002

Standard Equipment Used

S.No.	Instrument Name	Make	Calibrated By	Certificate No.	Due Date
1	Standard Weight Box (SS)	Weightronics	WMCL	WMCL/E/2021-09/1456	03.09.2023
Standard used is/are calibrated in SI units and treceable to national standard through unbreakable chain of calibration.					

Calibration Results

S.No.	Parameter/Range (in µl)	Standard Value (in µl)	UUC Value (in µl)	Deviation (in µl)
1	10	10.16	10	-0.16
2	50	50.18	50	-0.18
3	100	100.22	100	-0.22
4	150	150.36	150	-0.36
5	200	200.52	200	-0.52

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4. UUC- Unit under calibration.
5. Expanded Uncertainty Measurement at approx 95% confidence level and coverage factor k = 2 is ± 2 µl
6. Above results are not as per NABL scope.

(Sunil Kumar)
Calibration Engineer

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(Y.K. Sharma)
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CALIBRATION CERTIFICATE

Certificate No.	NCL/M/DP/230512.1.7	**Page No.**	1 of 1
SRF No./Date	L206/ 12.05.2023	**Date of Receipt**	12.05.2023
Company Name & Address	M/s. Elixir Diagnostic Center A-5/238, Ground Floor, Near A-5 DDA Market, Paschim Vihar, New Delhi-110063.	**Date of Calibration**	12.05.2023
		Suggested Due Date	11.05.2024
		Certificate Issue Date	13.05.2023
		UUC Condition	Good
		Calibration Performed At	Lab.

Detail of UUC Equipment:		**Enviromental Conditions**
Instrument Name	Pipette	Temperature (Degree C) (25 ± 2.5) Relative Humidity (%) (50 ± 10)
Range	5 to 50 µl	
Least Count	1 µl	
Make/Model No.	Micropet/-----	
Serial No./I.D. No.	-----	**Reference Standard**
Location	Lab.	ISO 8655:2002

Standard Equipment Used

S.No.	Instrument Name	Make	Calibrated By	Certificate No.	Due Date
1	Standard Weight Box (SS)	Weightronics	WMCL	WMCL/E/2021-09/1456	03.09.2023
Standard used is/are calibrated in SI units and treceable to national standard through unbreakable chain of calibration.					

Calibration Results

S.No.	Parameter/Range (in µl)	Standard Value (in µl)	UUC Value (in µl)	Deviation (in µl)
1	5	5.08	5	-0.08
2	20	20.16	20	-0.16
3	30	30.25	30	-0.25
4	40	40.32	40	-0.32
5	50	50.45	50	-0.45

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Calibration Engineer

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(Y.K. Sharma)
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CALIBRATION CERTIFICATE

Certificate No.	NCL/M/DP/230512.1.8	**Page No.**	1 of 1
SRF No./Date	L206/ 12.05.2023	**Date of Receipt**	12.05.2023
Company Name & Address	M/s. Elixir Diagnostic Center A-5/238, Ground Floor, Near A-5 DDA Market, Paschim Vihar, New Delhi-110063.	**Date of Calibration** **Suggested Due Date** **Certificate Issue Date** **UUC Condition** **Calibration Performed At**	12.05.2023 11.05.2024 13.05.2023 Good Lab.

Detail of UUC Equipment:		**Enviromental Conditions**
Instrument Name	Pipette	Temperature (Degree C) (25 ± 2.5) Relative Humidity (%) (50 ± 10)
Range	100 to 1000 µl	
Least Count	5 µl	
Make/Model No.	-----	
Serial No./I.D. No.	YE6F731313/-----	**Reference Standard**
Location	Lab.	ISO 8655:2002

Standard Equipment Used

S.No.	Instrument Name	Make	Calibrated By	Certificate No.	Due Date
1	Standard Weight Box (SS)	Weightronics	WMCL	WMCL/E/2021-09/1456	03.09.2023
Standard used is/are calibrated in SI units and treceable to national standard through unbreakable chain of calibration.					

Calibration Results

S.No.	Parameter/Range (in µl)	Standard Value (in µl)	UUC Value (in µl)	Deviation (in µl)
1	100	100.12	100	-0.12
2	400	400.24	400	-0.24
3	600	600.28	600	-0.28
4	800	800.34	800	-0.34
5	1000	1000.43	1000	-0.43

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CALIBRATION CERTIFICATE

Certificate No.	NCL/TH/IN/230512.1.1	Page No. 1 of 1	
ULR No.	CC200123000008309F		
SRF No./Date	S161/ 12.05.2023	Date of Receipt	12.05.2023
Company Name & Address	M/s. Elixir Diagnostic Center A-5/238, Ground Floor, Near A-5 DDA Market, Paschim Vihar, New Delhi-110063.	Date of Calibration Suggested Due Date Certificate Issue Date UUC Condition Calibration Performed At	12.05.2023 11.05.2024 13.05.2023 Good Site

Detail of UUC Equipment:		Enviromental Conditions	
Instrument Name	Incubator	Temperature (Degree C) (25 ± 10) Relative Humidity (%) (50 ± 20)	
Range	2 to 70°C		
Least Count	5°C		
Make/Model No.:	-----	Reference Standard	S.O.P. No.
Serial No./I.D. No.	-----	IS: 7358:1984	NCL/SOP/TH02
Location	Lab.		

Standard Equipment Used

S.No.	Instrument Name	Make/Serial No.	Calibrated By	Certificate No.	Due Date
1	SPRT with Precision Temp. Scanner	Fluke/02623	Sigma Test & Research Centre	CC288822000002076F	16.12.2023
Standard used is/are calibrated in SI units and treceable to national standard through unbreakable chain of calibration.					

Calibration Results

S.No.	Set Value (In °C)	Standard Value (In °C)	UUC Value (In °C)	Deviation (In °C)	Expanded Uncertainty at 95% Confidence Level k = 2 is ± (°C)
1	30	29.892	30	0.108	2.93
2	40	39.787	40	0.213	2.93
3	50	49.656	50	0.344	2.93
4	70	69.598	70	0.402	2.93

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4. UUC- Unit under calibration.
5. Temperature Scale:ITS-1990

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CALIBRATION CERTIFICATE

Certificate No.	NCL/M/CF/230512.1.3	**Page No. 1 of 1**	
ULR No.	CC200123000008310F		
SRF No./Date	S161/ 12.05.2023	**Date of Receipt**	12.05.2023
Company Name & Address	M/s. Elixir Diagnostic Center A-5/238, Ground Floor, Near A-5 DDA Market, Paschim Vihar, New Delhi-110063.	**Date of Calibration**	12.05.2023
		Suggested Due Date	11.05.2024
		Certificate Issue Date	13.05.2023
		UUC Condition	Good
		Calibration Performed At	Site

Detail of UUC Equipment:		**Enviromental Conditions**
Instrument Name	Centrifuge	Temperature (Degree C) (25 ± 10) Relative Humidity (%) (50 ± 10)
Range	0 To 5000 rpm	
Least Count	-----	
Make/Model No.	-----	
Serial No./I.D. No.	-----	**Reference Standard**
Location	Lab.	NCL/SOP/M13

Standard Equipment Used

S.No.	Instrument Name	Make/Serial No.	Calibrated By	Certificate No.	Due Date
1	Digital Tachometer	EAPL/1317/1047001036	PV Calibrattion Lab	PV/2302/0275	26.02.2024
Standard used is/are calibrated in SI units and treceable to national standard through unbreakable chain of calibration.					

Calibration Results

S.No.	Standard Value (In rpm)	UUC Value (In rpm)	Deviation (In rpm)	Expanded Uncertainty at 95% Confidence Level k = 2 is ± (%)
1	1002.1	1000	-2.1	1.55
2	3003.4	3000	-3.4	1.55
3	5004.6	5000	-4.6	1.55

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