



UNMATCHED SERVICE
SINCE 1979...

Date: 15/07/2021
Effective Date: 15/07/2021

Certificate of Calibration

Customer Name: ASHOK NURSING HOME

Model : Automated Hematology Analyzer Sysmex XP-100

Serial No. : B5203

Calibration Done Date: 15/07/2021

Next Calibration Due Date On or Before: 14/07/2022

Lab In-charge: . DR R K SAXENA

This is to certify that the above-mentioned product has been verified of calibration for CBC 5 parameters (WBC, RBC, HGB, HCT and PLT) according to the standard procedures provided by Sysmex Corporation, Japan.

The reference instruments used for value-assignment are managed by the traceability system in Sysmex Corporation and these are traceable to the International Standards, such as ICSH.

Calibration at site performed by
AMIT SHARMA
SERVICE ENGINEER
Transasia Bio-Medicals Ltd
DELHI



UNMATCHED SERVICE
SINCE 1979...

Date: 15/07/2021
Effective Date: 15/07/2021

Certificate of Inspection

1. Model: Automated Hematology Analyzer Sysmex XP – 100
2. Serial No.: B5203
3. Calibration Date: 15/07/2021
4. Material used: SCS-1000 (Lot No. 11660525, Expiry date: 18-July-2021)

By comparing your data to the results of the standard counters in Sysmex Corporation, the calibration for CBC 5 parameters using the measurement standard material (SCS-1000) was completed. The calibration result of 5 runs is summarized in the following table. Please refer to the attached sheets for the details.

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7. CALIBRATION DATA

SMP NO/TIME	WBC	RBC	HGB	HCT	PLT
SCS-2	6.90	4.31	11.9	32.70	253
SCS-3	6.80	4.35	12.0	33.00	265
SCS-4	6.90	4.33	11.9	32.90	260
SCS-5	7.10	4.33	11.9	32.80	265
SCS-6	6.80	4.27	11.8	32.30	252
MEAN	6.90	4.318	11.90	32.74	259.0
Acceptable Limits	6.74 - 7.34	4.302 - 4.477	11.89 - 12.13	32.40 - 33.86	249.9 - 276.2
Result	PASS	PASS	PASS	PASS	PASS

8. (Traceability System) :

The traceability system of Sysmex Hematology analyzers are shown in attached sheet.

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5. BACKGROUND CHECK

PARAMETER	RESULT	Range
WBC	0.0	0.3×10^3 /UI or Less
RBC	0.00	0.02×10^6 /uL or Less
HGB	0.0	0.1 g/dL or Less
PLT	0	10×10^3 /uL or Less

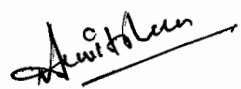
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6. PRECISION STUDY PERFORMED ON THE ANALYZER USING A BLOOD SAMPLE (ORIGINALS ATTACHED)

SMP NO	WBC	RBC	HGB	HCT	PLT
PRECISION 1	8.9	5.02	14.6	44.2	174
PRECISION 2	9.2	4.97	14.7	43.7	167
PRECISION 3	9.1	4.97	14.6	43.6	173
PRECISION 4	8.8	5.03	14.7	44.2	176
PRECISION 5	9.20	4.98	14.6	43.7	175
PRECISION 6	9.20	4.99	14.7	43.8	178
PRECISION 7	9.5	4.99	14.6	43.9	180
PRECISION 8	9.2	5.07	14.6	44.3	181
PRECISION 9	9.3	5.00	14.8	44.1	172
PRECISION 10	9.20	5.04	14.7	44.4	179
Mean	9.16	5.01	14.66	43.99	175.50
SD	0.196	0.033	0.070	0.285	4.249
CV%	2.134	0.661	0.477	0.647	2.421
Acceptable CV%	Within 3.5%	Within 2.0%	Within 1.5%	Within 2.0%	Within 6.0%
Result	PASS	PASS	PASS	PASS	PASS


Technical Service Department
Transasia Bio-Medicals Ltd

BACKGROUND COUNT

ID. _____
___BLANK CHECK___
Date 2021/07/09
Time 17:05
M... ..

WBC 0.0 $\times 10^3/\mu\text{L}$
RBC 0.00 $\times 10^6/\mu\text{L}$
HGB 0.0 g/dL
HCT 0.0 %
MCV ----- fL
MCH ----- pg
MCHC ----- g/dL
PLT 0 $\times 10^3/\mu\text{L}$

LYM% ----- %
MXD% ----- %
NEUT% ----- %
LYM# ----- $\times 10^3/\mu\text{L}$
MXD# ----- $\times 10^3/\mu\text{L}$
NEUT# ----- $\times 10^3/\mu\text{L}$

RDW-SD ----- fL
RDW-CV ----- %
PDW ----- fL
MPV ----- fL
P-LCR ----- %
PCT ----- %

ResearchW 0.021 $\times 10^3/\mu\text{L}$
ResearchS ----- $\times 10^3/\mu\text{L}$
ResearchM ----- $\times 10^3/\mu\text{L}$
ResearchL ----- $\times 10^3/\mu\text{L}$

SAMPLE PRECISION DATA

Operator
 ID. PRECISION-1
 Date 2021/07/09
 Time 17:22
 Mode WB

WBC 8.9 $\times 10^3/\mu\text{L}$
 RBC 5.02 $\times 10^6/\mu\text{L}$
 HGB 14.6 g/dL
 HCT 44.2 %
 MCV 88.0 fL
 MCH 29.1 pg
 MCHC 33.0 g/dL
 PLT AG* 174 $\times 10^3/\mu\text{L}$

LYM% 30.0 %
 MXD% 8.9 %
 NEUT% 61.1 %
 LYM# 2.7 $\times 10^3/\mu\text{L}$
 MXD# 0.8 $\times 10^3/\mu\text{L}$
 NEUT# 5.4 $\times 10^3/\mu\text{L}$

RDW-SD 50.6 fL
 RDW-CV 15.6 %
 PDW + 20.9 fL
 MPV + 13.1 fL
 P-LCR + 50.3 %
 PCT * 0.23 %

ResearchW 8.940 $\times 10^3/\mu\text{L}$
 ResearchG 2.670 $\times 10^3/\mu\text{L}$
 ResearchM 0.792 $\times 10^3/\mu\text{L}$
 ResearchL 5.478 $\times 10^3/\mu\text{L}$

Operator
 ID. PRECISION-2
 Date 2021/07/09
 Time 17:23
 Mode WB

WBC 9.2 $\times 10^3/\mu\text{L}$
 RBC 4.97 $\times 10^6/\mu\text{L}$
 HGB 14.7 g/dL
 HCT 43.7 %
 MCV 87.9 fL
 MCH 29.6 pg
 MCHC 33.6 g/dL
 PLT AG* 167 $\times 10^3/\mu\text{L}$

LYM% 29.8 %
 MXD% 11.0 %
 NEUT% 59.2 %
 LYM# 2.7 $\times 10^3/\mu\text{L}$
 MXD# 1.0 $\times 10^3/\mu\text{L}$
 NEUT# 5.5 $\times 10^3/\mu\text{L}$

RDW-SD 50.6 fL
 RDW-CV 15.2 %
 PDW + 17.2 fL
 MPV 12.6 fL
 P-LCR + 46.4 %
 PCT * 0.21 %

ResearchW 9.186 $\times 10^3/\mu\text{L}$
 ResearchS 2.742 $\times 10^3/\mu\text{L}$
 ResearchM 1.012 $\times 10^3/\mu\text{L}$
 ResearchL 5.432 $\times 10^3/\mu\text{L}$

Operator
 ID. PRECISION-3
 Date 2021/07/09
 Time 17:25
 Mode WB

WBC 9.1 $\times 10^3/\mu\text{L}$
 RBC 4.97 $\times 10^6/\mu\text{L}$
 HGB 14.6 g/dL
 HCT 43.8 %
 MCV 88.1 fL
 MCH 29.4 pg
 MCHC 33.3 g/dL
 PLT AG* 173 $\times 10^3/\mu\text{L}$

LYM% 30.7 %
 MXD% 11.2 %
 NEUT% 58.1 %
 LYM# 2.8 $\times 10^3/\mu\text{L}$
 MXD# 1.0 $\times 10^3/\mu\text{L}$
 NEUT# 5.3 $\times 10^3/\mu\text{L}$

RDW-SD 49.5 fL
 RDW-CV 15.3 %
 PDW + 17.9 fL
 MPV 13.0 fL
 P-LCR + 48.9 %
 PCT * 0.22 %

ResearchW 9.077 $\times 10^3/\mu\text{L}$
 ResearchS 2.794 $\times 10^3/\mu\text{L}$
 ResearchM 1.019 $\times 10^3/\mu\text{L}$
 ResearchL 5.264 $\times 10^3/\mu\text{L}$

SAMPLE PRECISION DATA

ID. PRECISION-4

Date 2021/07/09
Time 17:26
Mode WB

WBC 8.8 ×10³/μL
RBC 5.03 ×10⁶/μL
HGB 14.7 g/dL
HCT 44.2 %
MCV 87.9 fL
MCH 29.2 pg
MCHC 33.3 g/dL
PLT AG* 176 ×10³/μL

LYM% 30.2 %
MXD% 9.4 %
NEUT% 60.4 %
LYM# 2.7 ×10³/μL
MXD# 0.8 ×10³/μL
NEUT# 5.3 ×10³/μL

RDW-SD 50.7 fL
RDW-CV 15.5 %
PDW + 19.1 fL
MPV + 13.1 fL
P-LCR + 49.9 %
PCT * 0.23 %

ResearchW 8.818 ×10³/μL
ResearchS 2.658 ×10³/μL
ResearchM 0.827 ×10³/μL
ResearchL 5.333 ×10³/μL

ID. PRECISION-5

Date 2021/07/09
Time 17:27
Mode WB

WBC 9.2 ×10³/μL
RBC 4.98 ×10⁶/μL
HGB 14.6 g/dL
HCT 43.7 %
MCV 87.8 fL
MCH 29.3 pg
MCHC 33.4 g/dL
PLT AG* 175 ×10³/μL

LYM% 30.0 %
MXD% 8.1 %
NEUT% 61.9 %
LYM# 2.8 ×10³/μL
MXD# 0.7 ×10³/μL
NEUT# 5.7 ×10³/μL

RDW-SD 49.5 fL
RDW-CV 15.1 %
PDW + 18.7 fL
MPV + 13.2 fL
P-LCR + 50.1 %
PCT * 0.23 %

ResearchW 9.206 ×10³/μL
ResearchS 2.760 ×10³/μL
ResearchM 0.745 ×10³/μL
ResearchL 5.701 ×10³/μL

ID. PRECISION-6

Date 2021/07/09
Time 17:29
Mode WB

WBC 9.2 ×10³/μL
RBC 4.99 ×10⁶/μL
HGB 14.7 g/dL
HCT 43.8 %
MCV 87.8 fL
MCH 29.5 pg
MCHC 33.6 g/dL
PLT AG* 178 ×10³/μL

LYM% 30.0 %
MXD% 9.4 %
NEUT% 60.6 %
LYM# 2.8 ×10³/μL
MXD# 0.9 ×10³/μL
NEUT# 5.5 ×10³/μL

RDW-SD 50.7 fL
RDW-CV 15.4 %
PDW + 20.8 fL
MPV + 13.1 fL
P-LCR + 49.0 %
PCT * 0.23 %

ResearchW 9.153 ×10³/μL
ResearchS 2.760 ×10³/μL
ResearchM 0.865 ×10³/μL
ResearchL 5.528 ×10³/μL

Operator

ID. PRECISION-7

Date 2021/07/09
Time 17:31
Mode WB

WBC 9.5 ×10³/μL
RBC 4.99 ×10⁶/μL
HGB 14.6 g/dL
HCT 43.9 %
MCV 88.0 fL
MCH 29.3 pg
MCHC 33.3 g/dL
PLT AG* 180 ×10³/μL

LYM% 29.5 %
MXD% 10.9 %
NEUT% 59.6 %
LYM# 2.8 ×10³/μL
MXD# 1.0 ×10³/μL
NEUT# 5.7 ×10³/μL

RDW-SD 50.0 fL
RDW-CV 15.1 %
PDW + 21.0 fL
MPV + 13.3 fL
P-LCR + 50.8 %
PCT * 0.24 %

ID. PRECISION-8

Date 2021/07/09
Time 17:32
Mode WB

WBC 9.2 ×10³/μL
RBC 5.07 ×10⁶/μL
HGB 14.6 g/dL
HCT 44.3 %
MCV 87.4 fL
MCH 28.8 pg
MCHC 33.0 g/dL
PLT AG* 181 ×10³/μL

LYM% 30.4 %
MXD% 9.0 %
NEUT% 60.6 %
LYM# 2.8 ×10³/μL
MXD# 0.8 ×10³/μL
NEUT# 5.6 ×10³/μL

RDW-SD 49.9 fL
RDW-CV 15.1 %
PDW + 21.4 fL
MPV + 13.6 fL
P-LCR + 52.5 %
PCT * 0.25 %

ID. PRECISION-9

Date 2021/07/09
Time 17:33
Mode WB

WBC 9.3 ×10³/μL
RBC 5.00 ×10⁶/μL
HGB 14.8 g/dL
HCT 44.1 %
MCV 88.2 fL
MCH 29.6 pg
MCHC 33.6 g/dL
PLT AG* 172 ×10³/μL

LYM% 29.1 %
MXD% 11.0 %
NEUT% 59.9 %
LYM# 2.7 ×10³/μL
MXD# 1.0 ×10³/μL
NEUT# 5.6 ×10³/μL

RDW-SD 49.8 fL
RDW-CV 15.4 %
PDW + 18.6 fL
MPV + 13.2 fL
P-LCR + 49.8 %
PCT * 0.23 %

ResearchW 9.274 ×10³/μL
ResearchS 2.760 ×10³/μL

SAMPLE PRECISION DATA

ID. PRECISION-10
Date 2021/07/09
Time 17:35
Mode WB

WBC 9.2 $\times 10^3/\mu\text{L}$
RBC 5.04 $\times 10^6/\mu\text{L}$
HGB 14.7 g/dL
HCT 44.4 %
MCV 88.1 fL
MCH 29.2 pg
MCHC 33.1 g/dL
PLT AG* 179 $\times 10^3/\mu\text{L}$

LYM% 30.4 %
MXD% 11.6 %
NEUT% 58.0 %
LYM# 2.8 $\times 10^3/\mu\text{L}$
MXD# 1.1 $\times 10^3/\mu\text{L}$
NEUT# 5.3 $\times 10^3/\mu\text{L}$

RDW-SD 49.8 fL
RDW-CV 15.3 %
PDW + 20.3 fL
MPV + 13.4 fL
P-LCR + 51.7 %
PCT * 0.24 %

ResearchW 9.226 $\times 10^3/\mu\text{L}$
ResearchS 2.797 $\times 10^3/\mu\text{L}$
ResearchM 1.067 $\times 10^3/\mu\text{L}$
ResearchL 5.362 $\times 10^3/\mu\text{L}$

CALIBRATOR RUN DATA

ID. SCS-5
 Date 2021/07/09
 Time 18:10
 Mode CL

WBC 7.1 $\times 10^3/\mu\text{L}$
 RBC 4.33 $\times 10^6/\mu\text{L}$
 HGB 11.9 g/dL
 HCT 32.8 %
 MCV ----. - fL
 MCH ----. - pg
 MCHC ----. - g/dL
 PLT 265 $\times 10^3/\mu\text{L}$

LYM% ----. - %
 MXD% ----. - %
 NEUT% ----. - %
 LYM# ----. - $\times 10^3/\mu\text{L}$
 MXD# ----. - $\times 10^3/\mu\text{L}$
 NEUT# ----. - $\times 10^3/\mu\text{L}$

RDW-SD ----. - fL
 RDW-CV ----. - %
 PDW ----. - fL
 MPV ----. - fL
 P-LCR ----. - %
 PCT ----. - %

ResearchW 7.084 $\times 10^3/\mu\text{L}$
 ResearchS ----. - $\times 10^3/\mu\text{L}$
 ResearchM ----. - $\times 10^3/\mu\text{L}$
 ResearchL ----. - $\times 10^3/\mu\text{L}$

ID. SCS-6
 Date 2021/07/09
 Time 18:11
 Mode CL

WBC 6.8 $\times 10^3/\mu\text{L}$
 RBC 4.27 $\times 10^6/\mu\text{L}$
 HGB 11.8 g/dL
 HCT 32.3 %
 MCV ----. - fL
 MCH ----. - pg
 MCHC ----. - g/dL
 PLT 252 $\times 10^3/\mu\text{L}$

LYM% ----. - %
 MXD% ----. - %
 NEUT% ----. - %
 LYM# ----. - $\times 10^3/\mu\text{L}$
 MXD# ----. - $\times 10^3/\mu\text{L}$
 NEUT# ----. - $\times 10^3/\mu\text{L}$

RDW-SD ----. - fL
 RDW-CV ----. - %
 PDW ----. - fL
 MPV ----. - fL
 P-LCR ----. - %
 PCT ----. - %

ResearchW 6.763 $\times 10^3/\mu\text{L}$
 ResearchS ----. - $\times 10^3/\mu\text{L}$
 ResearchM ----. - $\times 10^3/\mu\text{L}$
 ResearchL ----. - $\times 10^3/\mu\text{L}$

CALIBRATOR RUN DATA

ID. SCS-2
 Date 2021/07/09
 Time 18:00
 Mode CL

WBC 6.9 $\times 10^3/\mu\text{L}$
 RBC 4.31 $\times 10^6/\mu\text{L}$
 HGB 11.9 g/dL
 HCT 32.7 %
 MCV ----- fL
 MCH ----- pg
 MCHC ----- g/dL
 PLT 253 $\times 10^3/\mu\text{L}$

LYM% ----- %
 MXD% ----- %
 NEUT ----- %
 LYM# ----- $\times 10^3/\mu\text{L}$
 MXD# ----- $\times 10^3/\mu\text{L}$
 NEUT# ----- $\times 10^3/\mu\text{L}$

RDW-SD ----- fL
 RDW-CV ----- %
 PDW ----- fL
 MPV ----- fL
 P-LCR ----- %
 PCT ----- %

ResearchW 6.39 $\times 10^3/\mu\text{L}$
 ResearchS ----- $\times 10^3/\mu\text{L}$
 ResearchM ----- $\times 10^3/\mu\text{L}$
 ResearchL ----- $\times 10^3/\mu\text{L}$

ID. SCS-3
 Date 2021/07/09
 Time 18:07
 Mode CL

WBC 6.8 $\times 10^3/\mu\text{L}$
 RBC 4.35 $\times 10^6/\mu\text{L}$
 HGB 12.0 g/dL
 HCT 33.0 %
 MCV ----- fL
 MCH ----- pg
 MCHC ----- g/dL
 PLT 265 $\times 10^3/\mu\text{L}$

LYM% ----- %
 MXD% ----- %
 NEUT% ----- %
 LYM# ----- $\times 10^3/\mu\text{L}$
 MXD# ----- $\times 10^3/\mu\text{L}$
 NEUT# ----- $\times 10^3/\mu\text{L}$

RDW-SD ----- fL
 RDW-CV ----- %
 PDW ----- fL
 MPV ----- fL
 P-LCR ----- %
 PCT ----- %

ResearchW 6.793 $\times 10^3/\mu\text{L}$
 ResearchS ----- $\times 10^3/\mu\text{L}$
 ResearchM ----- $\times 10^3/\mu\text{L}$
 ResearchL ----- $\times 10^3/\mu\text{L}$

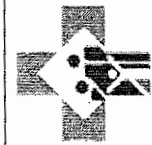
ID. SCS-4
 Date 2021/07/09
 Time 18:09
 Mode CL

WBC 6.9 $\times 10^3/\mu\text{L}$
 RBC 4.33 $\times 10^6/\mu\text{L}$
 HGB 11.9 g/dL
 HCT 32.9 %
 MCV ----- fL
 MCH ----- pg
 MCHC ----- g/dL
 PLT 260 $\times 10^3/\mu\text{L}$

LYM% ----- %
 MXD% ----- %
 NEUT% ----- %
 LYM# ----- $\times 10^3/\mu\text{L}$
 MXD# ----- $\times 10^3/\mu\text{L}$
 NEUT# ----- $\times 10^3/\mu\text{L}$

RDW-SD ----- fL
 RDW-CV ----- %
 PDW ----- fL
 MPV ----- fL
 P-LCR ----- %
 PCT ----- %

ResearchW 6.946 $\times 10^3/\mu\text{L}$
 ResearchS ----- $\times 10^3/\mu\text{L}$
 ResearchM ----- $\times 10^3/\mu\text{L}$
 ResearchL ----- $\times 10^3/\mu\text{L}$



**QUALITY PROCEDURE FOR
LABORATORY EQUIPMENTS**

Doc : ANH/LE/QF/37
Sec : 5.3
Amend: 08, 10.03.2020
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5.3.1.4 CALIBRATION PLAN

Year -2021

S. No	Name of Equipment	CALIBRATION PLAN														
		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC			
1.	Haematology Analyzer SYSMEX XP-100							●								
2.	Centrifuge (0-5000 rpm) Remi								○							
3.	Micro Pipette (5-50 µl) YESK647104								○							
4.	Micro Pipette (100-1000 µl) Erba DY 13314								○							
5.	Micro Pipette (500 µl) P' fact Sr. No. 085856								○							
6.	Micro Pipette (20 µl) Brian								○							
7.	Pipette (5-50 µl) NL485257								○							
8.	Micro Pipette (10 µl) Vitalpette								○							
9.	Micro Pipette (100-1000 µl) P' fact 230268								○							
10.	Pipette (1-5 ml)								○							
11.	Refrigerator National(-50- 300°C)								○							
12.	Refrigerator -50- 300°C								○							

DEPTT. OF LABORATORY MEDICINE- ASHOK NURSING HOME

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Doc. No. ANH/QSP/04 QUALITY SYSTEM PROCEDURES

Issue No. 04 Issue Date 10.10.2014

Prepared and Issued By Approved & Reviewed By



ASIAN TECHNOLOGY

(A HOUSE OF CALIBRATION)
Cert. No. : CC-2239



CALIBRATION CERTIFICATE

Customer Name And Address	M/S: Ashok Nursing Home. F-3/13-16, Vijay Chowk, Krishan Nagar, Delhi-110051.	Certificate No.	CC223920600023521 F
		Service request No & date	P/01/20/08/2020
		Date of calibration	20/08/2020
		Valid up to	19/08/2021
		Date of issue	21/08/2020

Instrument Details			
Instrument name	Digital Weighing Balance	Sr. No.	1402086
Make /Model No	Kerro/BLC 3002	Location	Path Lab
Range / Size	0 to 300 gm	Accuracy	-----
Least Count	0.01 gm	Visual Inspection	OK
I.D. No.	DWB-01		

Detail of reference standards & Major equipments used			
Equipment Name	A set of weight box		
Make	Weigh India		
Model / SR No.	-----		
Certificate No.	WMCL/E/2018-12/2533		
Calibration Validity	26/12/2021		
Calibration By	WEIGHTRONICS		

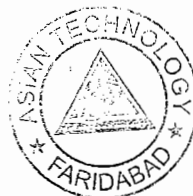
Environmental Condition	Temperature	23± 3 °C	Calibration Reference	OIML R 76
	Relative Humidity	50±20%	Calibration Procedure	CP-27

Calibration Results			
Serial No.	Applied Weight in	Actual Value in (g)	Uncertainty At 95% C.L. (coverage factor K=2)
01.	500 mg	0.50	±0.36 mg
02.	1 gm	0.99	±0.36 mg
03.	2 gm	2.00	±0.36 mg
04.	5 gm	5.00	±0.36 mg
05.	10 gm	10.00	±0.36 mg
06.	20 gm	20.00	±0.36 mg
07.	50 gm	50.00	±0.36 mg
08.	100 gm	100.01	±0.36 mg
09.	200 gm	199.98	±0.36 mg
10.	250 gm	249.98	±6 g

Remarks:

<ul style="list-style-type: none">❖ This result of calibration refer to only to the particular item submitted for calibration.❖ The above result are valid at the time of and under the stated conditions measurement.❖ Calibration certificate issued for weight & measure parameters like mass, weighting balance, volumetric equipment, measuring scales/tapes etc. are scientific purpose only and should not used for commercial.
--

Calibrated By
(Calibration Engg./TM)
(MAMPAL)
Form No.-32



Approved By
(QM/TM)
(NEERAJ TYAGI)
Page No. 1 of 1

---End Of Report---



ASIAN TECHNOLOGY

(A HOUSE OF CALIBRATION)

Cert. No. : CC-2239



Certificate No.
CC-2239

CALIBRATION CERTIFICATE

Customer Name And Address	M/S: Ashok Nursing Home. F-3/13-16, Vijay Chowk, Krishan Nagar, Delhi-110051.	Certificate No.	CC223920600023522 F
		Service request No & date	P/01/20/08/2020
		Date of calibration	20/08/2020
		Valid up to	19/08/2021
		Date of issue	21/08/2020

Instrument Details			
Instrument name	Dig. Temperature Controller (PID)	S. No.	-----
Make	Saitech/S1A-704	Location	Path Lab Incubator
Range / Size	0 to 199.9 °C	Accuracy	-----
Least Count	0.1 °C	Visual Inspection	OK
I.D. No.	DTC-01		

Detail of reference standards & Major equipments used			
Equipment Name	Universal calibrator		
Make	Masibus/Unical 3001M		
Model / SR No.	11010734		
Certificate No.	CC23792000000688F		
Calibration Validity	09/02/2021		
Calibration by	KCL		

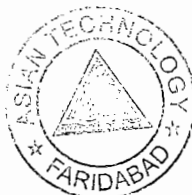
Environmental Condition	Temperature	25±4 °C	Calibration Reference	ITS:90
	Relative Humidity	50±10 %	Calibration Procedure	CP-09E

Calibration Results			
Serial No.	Std. Reading in (°C)	Measured Reading in (°C)	Uncertainty At 95% C.L. (coverage factor K=2)
01.	30.0	30.1	±1.0 °C
02.	37.0	37.3	
03.	100.0	99.6	
04.	150.0	149.6	
05.	190.0	189.5	

Remarks:

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CALIBRATION CERTIFICATE

Customer Name And Address	M/S: Ashok Nursing Home. F-3/13-16, Vijay Chowk, Krishan Nagar, Delhi-110051.	Certificate No.	CC223920600023523 F
		Service request No & date	P/01/20/08/2020
		Date of calibration	20/08/2020
		Valid up to	19/08/2021
		Date of issue	21/08/2020

Instrument Details			
Instrument name	RPM Meter	Sr. No.	CLLC-2421
Make	Remi	Location	Centrifuge (Path Lab)
Range / Size	0 to 5000 rpm	Accuracy	-----
Least Count	10 rpm	Visual Inspection	OK
I.D. No.	RPM-01		

Detail of reference standards & Major equipments used			
Equipment Name	Digital Tachometer		
Make	Lutron		
Model / SR No.	AC92792		
Certificate No.	CC237919000001774F		
Calibration Validity	30.10.2020		
Calibration by	KCL		

Environmental Condition	Temperature	20±2°C	Calibration Reference	IS: 12508
	Relative Humidity	50±10 %	Calibration Procedure	CP-37

Calibration Results			
Serial No.	Standard value in (rpm)	Measured value in (rpm)	Uncertainty At 95% C.L. (coverage factor K=2)
01.	200	199	±0.20%rdg
02.	500	501	
03.	1000	1002	
04.	2000	2004	
05.	2995	3006	
06.	4950	4954	

Remarks:

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		Service request No & date	P/01/20/08/2020
		Date of calibration	20/08/2020
		Valid up to	19/08/2021
		Date of issue	21/08/2020

Instrument Details

Instrument name	Digital Thermometer	S. No.	----
Make/Model	Multi-Thermometer	Location	Refrigerator
Range / Size	-50 to 300 °C	Accuracy	----
Least Count	0.1 °C	Visual Inspection	OK
I.D. No.	DTM-02		

Detail of reference standards & Major equipments used

Equipment Name	RTD With Digital Indicator		
Make	YCT / SBI		
Model / SR No.	11080368		
Certificate No.	TL/020/181.2.1		
Calibration Validity	01/03/2021		
Calibration by	Tempens		

Environmental Condition	Temperature	25±4 °C	Calibration Reference	IS:6274
	Relative Humidity	50±20 %	Calibration Procedure	CP-02T

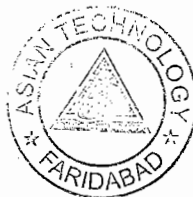
Calibration Results

Serial No.	Std. Reading in (°C)	Measured Reading in (°C)	Uncertainty At 95% C.L. (coverage factor K=2)
01.	-17.45	-16.6	±0.3 °C
02.	-15.32	-14.5	
03.	-10.22	-9.8	
04.	-8.15	-7.6	
05.	0.22	0.3	
06.	30.05	29.4	
07.	50.35	50.5	
08.	99.55	100.1	
09.	149.64	150.50	

Remarks:

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Customer Name And Address	M/S: Ashok Nursing Home. F-3/13-16, Vijay Chowk, Krishan Nagar, Delhi-110051.	Certificate No.	CC223920600023525 F
		Service request No & date	P/01/20/08/2020
		Date of calibration	20/08/2020
		Valid up to	19/08/2021
		Date of issue	21/08/2020

Instrument Details			
Instrument name	Digital Thermo Hygrometer	Sr. No.	-----
Make / Model No.	HTC-1	Location	Path Lab
Range / Size	-10 to 50 °C / 10 to 99 %RH	Accuracy	-----
Least Count	0.1 °C / 1 %RH	Visual Inspection	OK
I.D. No.	DTH-01		

Detail of reference standards & Major equipments used			
Equipment Name	RTD With Digital Indicator	Dig. Humidity Indicator With Sensor	
Make	YCT / SBI	Yudian / Rotronic	
Model / SR No.	11080368	11F183060/20274168	
Certificate No.	TL/020/181.2.1	FL/CAL/TH/07112019-001	
Calibration Validity	01/03/2021	11/11/2020	
Calibration by	Tempsens	FARELABS	

Environmental Condition	Temperature	25± 4 °C	Calibration Reference	ITS:90
	Relative Humidity	50±20%	Calibration Procedure	CP-04T

Calibration Results

Serial No.	Standard Average Value in (°C)	Measured Average Value in (°C)	Standard Average Value in (%RH)	Measured Average Value in (%RH)	Uncertainty At 95% C.L. (coverage factor k=2)
01.	-10.10	-10.0	31.2	30	
02.	10.15	10.5	49.5	50	± 0.21°C
03.	20.23	20.6	68.4	70	
04.	30.35	29.7	78.6	80	± 1.9%RH
05.	45.42	45.0	91.5	90	

Remarks:

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		Service request No & date	P/01/20/08/2020
		Date of calibration	20/08/2020
		Valid up to	19/08/2021
		Date of issue	21/08/2020

Instrument Details			
Instrument name	Digital Thermo Hygrometer	Sr. No.	-----
Make / Model No.	HTC/288-ATH	Location	Sample collection room
Range / Size	-10 to 50 °C / 10 to 99 %RH	Accuracy	-----
Least Count	0.1 °C / 1 %RH	Visual Inspection	OK
I.D. No.	DTH-03		

Detail of reference standards & Major equipments used			
Equipment Name	RTD With Digital Indicator	Dig. Humidity Indicator With Sensor	
Make	YCT / SBI	Yudian / Rotronic	
Model / SR No.	11080368	11F183060/20274168	
Certificate No.	TL/020/181.2.1	FL/CAL/TH/07112019-001	
Calibration Validity	01/03/2021	11/11/2020	
Calibration by	Tempens	FARELABS	

Environmental Condition	Temperature	25± 4 °C	Calibration Reference	ITS:90
	Relative Humidity	50±20%	Calibration Procedure	CP-04T

Calibration Results					
Serial No.	Standard Average Value in (°C)	Measured Average Value in (°C)	Standard Average Value in (%RH)	Measured Average Value in (%RH)	Uncertainty At 95% C.L. (coverage factor k=2)
01.	-10.12	-9.6	31.5	30	
02.	10.16	10.6	49.6	50	± 0.21°C
03.	20.25	20.4	68.8	70	
04.	30.34	29.6	78.7	80	± 1.9%RH
05.	45.40	45.1	92.3	90	

Remarks:

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Customer Name And Address	M/S: Ashok Nursing Home. F-3/13-16, Vijay Chowk, Krishan Nagar, Delhi-110051.	Certificate No.	CC223920600023527 F
		Service request No & date	P/01/20/08/2020
		Date of calibration	20/08/2020
		Valid up to	19/08/2021
		Date of issue	21/08/2020

Instrument Details

Instrument name	Micro Pipette	Sr. No.	CE230268
Make / Model No.	-----	Location	Path Lab
Range / Size	100 to 1000 μ l	Accuracy	-----
Least Count	5 μ l	Visual Inspection	OK
I.D. No.	MP-01		

Detail of reference standards & Major equipments used

Equipment Name	A set of weight box	Digital Weighing Balance'	
Make	Weigh India	AND	
Model / SR No.	-----	GH-252	
Certificate No.	WMCL/E/2018-12/2533	CC205320000000016F	
Calibration Validity	26/12/2021	16/02/2021	
Calibration by	WEIGHTRONICS	Kelvin Research Centre	

Environmental Condition	Temperature	23 \pm 3 $^{\circ}$ C	Calibration Reference	IS:1997
	Relative Humidity	50 \pm 20%	Calibration Procedure	CP-33

Calibration Results

Serial No.	Nominal Capacity in (μ l)	Measured Capacity in (μ l)	Uncertainty At 95% C.L. (coverage factor K=2)
01.	100	100.25	\pm 0.46 μ l
02.	300	300.56	
03.	500	499.84	
04.	800	798.98	
05.	1000	999.91	

Remarks:

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Customer Name And Address	M/S: Ashok Nursing Home. F-3/13-16, Vijay Chowk, Krishan Nagar, Delhi-110051.	Certificate No.	CC223920600023528 F
		Service request No & date	P/01/20/08/2020
		Date of calibration	20/08/2020
		Valid up to	19/08/2021
		Date of issue	21/08/2020

Instrument Details			
Instrument name	Micro Pipette	Sr. No.	DY13314
Make / Model No.	Erba	Location	Path Lab
Range / Size	100 to 1000 µl	Accuracy	-----
Least Count	5 µl	Visual Inspection	OK
I.D. No.	MP-02		

Detail of reference standards & Major equipments used			
Equipment Name	A set of weight box	Digital Weighing Balance	
Make	Weigh India	AND	
Model / SR No.	-----	GH-252	
Certificate No.	WMCL/E/2018-12/2533	CC205320000000016F	
Calibration Validity	26/12/2021	16/02/2021	
Calibration by	WEIGHTRONICS	Kelvin Research Centre	

Environmental Condition	Temperature	23± 3 °C	Calibration Reference	IS:1997
	Relative Humidity	50±20%	Calibration Procedure	CP-33

Calibration Results			
Serial No.	Nominal Capacity in (µl)	Measured Capacity in (µl)	Uncertainty At 95% C.L. (coverage factor K=2)
01.	100	100.10	±0.46 µl
02.	300	298.62	
03.	500	499.85	
04.	800	798.75	
05.	1000	999.65	

Remarks:

<ul style="list-style-type: none"> ❖ This result of calibration refer to only to the particular item submitted for calibration. ❖ The above result are valid at the time of and under the stated conditions measurement. ❖ Calibration certificate issued for weight & measure parameters like mass, weighting balance, volumetric equipment, measuring scales/tapes etc. are scientific purpose only and should not used for commercial.
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Customer Name And Address	M/S: Ashok Nursing Home. F-3/13-16, Vijay Chowk, Krishan Nagar, Delhi-110051.	Certificate No.	CC223920600023529 F
		Service request No & date	P/01/20/08/2020
		Date of calibration	20/08/2020
		Valid up to	19/08/2021
		Date of issue	21/08/2020

Instrument Details			
Instrument name	Pipette	Sr. No.	YESK647104
Make	-----	Location	Path Lab
Range / Size	5 to 50 µl	Accuracy	-----
Least Count	5 µl	Visual Inspection	OK
I.D. No.	P-02		

Detail of reference standards & Major equipments used			
Equipment Name	A set of weight box	Digital Weighing Balance	
Make	Weigh India	AND	
Model / SR No.	-----	GH-252	
Certificate No.	WMCL/E/2018-12/2533	CC20532000000016F	
Calibration Validity	26/12/2021	16/02/2021	
Calibration by	WEIGHTRONICS	Kelvin Research Centre	

Environmental Condition	Temperature	23± 3 °C	Calibration Reference	IS:1997
	Relative Humidity	50±20%	Calibration Procedure	CP-33

Calibration Results			
Serial No.	Nominal Capacity in (µl)	Measured Capacity in (µl)	Uncertainty At 95% C.L. (coverage factor k=2)
01.	10.0	10.02124	±0.10 µl
02.	20.0	19.98951	
03.	30.0	29.97512	
04.	40.0	39.96961	
05.	50.0	49.96270	

Remarks:

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Customer Name And Address	M/S: Ashok Nursing Home. F-3/13-16, Vijay Chowk, Krishan Nagar, Delhi-110051.	Certificate No.	CC223920600023530 F
		Service request No & date	P/01/20/08/2020
		Date of calibration	20/08/2020
		Valid up to	19/08/2021
		Date of issue	21/08/2020

Instrument Details			
Instrument name	Micro Pipette	Sr. No.	-----
Make / Model No.	Vitalpette	Location	Path Lab
Range / Size	10 μ l	Accuracy	-----
Least Count	N/A	Visual Inspection	OK
I.D. No.	MP-05		

Detail of reference standards & Major equipments used			
Equipment Name	A set of weight box	Digital Weighing Balance	
Make	Weigh India	AND	
Model / SR No.	-----	GH-252	
Certificate No.	WMCL/E/2018-12/2533	CC205320000000016F	
Calibration Validity	26/12/2021	16/02/2021	
Calibration by	WEIGHTRONICS	Kelvin Research Centre	

Environmental Condition	Temperature	23 \pm 3 $^{\circ}$ C	Calibration Reference	IS:4162
	Relative Humidity	50 \pm 20%	Calibration Procedure	CP-33

Calibration Results			
Serial No.	Nominal Capacity in (μ l)	Measured Capacity in (μ l)	Uncertainty At 95% C.L. (coverage factor K=2)
01.	10	10.02123	\pm 0.10 μ l

Remarks:

<ul style="list-style-type: none"> ❖ This result of calibration refer to only to the particular item submitted for calibration. ❖ The above result are valid at the time of and under the stated conditions measurement. ❖ Calibration certificate issued for weight & measure parameters like mass, weighting balance, volumetric equipment, measuring scales/tapes etc. are scientific purpose only and should not used for commercial.
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Customer Name And Address	M/S: Ashok Nursing Home. F-3/13-16, Vijay Chowk, Krishan Nagar, Delhi-110051.	Certificate No.	CC223920600023531 F
		Service request No & date	P/01/20/08/2020
		Date of calibration	20/08/2020
		Valid up to	19/08/2021
		Date of issue	21/08/2020

Instrument Details			
Instrument name	Micro Pipette	Sr. No.	----
Make / Model No.	Brian	Location	Path Lab
Range / Size	20 µl	Accuracy	----
Least Count	N/A	Visual Inspection	OK
I.D. No.	MP-07		

Detail of reference standards & Major equipments used			
Equipment Name	A set of weight box	Digital Weighing Balance	
Make	Weigh India	AND	
Model / SR No.	----	GH-252	
Certificate No.	WMCL/E/2018-12/2533	CC205320000000016F	
Calibration Validity	26/12/2021	16/02/2021	
Calibration by	WEIGHTRONICS	Kelvin Research Centre	

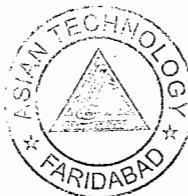
Environmental Condition	Temperature	23± 3 °C	Calibration Reference	IS:4162
	Relative Humidity	50±20%	Calibration Procedure	CP-33

Calibration Results			
Serial No.	Nominal Capacity in (µl)	Measured Capacity in (µl)	Uncertainty At 95% C.L. (coverage factor K=2)
01.	20	19.92	±0.21 µl

Remarks:

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Customer Name And Address	M/S: Ashok Nursing Home. F-3/13-16, Vijay Chowk, Krishan Nagar, Delhi-110051.	Certificate No.	CC223920600023532 F
		Service request No & date	P/01/20/08/2020
		Date of calibration	20/08/2020
		Valid up to	19/08/2021
		Date of issue	21/08/2020

Instrument Details			
Instrument name	Digital Thermometer (Multi)	S. No.	-----
Make/Model	Multi-Thermometer	Location	Refrigerator (Path Lab)
Range / Size	-50 to 300 °C	Accuracy	-----
Least Count	0.1 °C	Visual Inspection	OK
I.D. No.	DTM-03		

Detail of reference standards & Major equipments used			
Equipment Name	RTD With Digital Indicator		
Make	YCT / SBI		
Model / SR No.	11080368		
Certificate No.	TL/020/181.2.1		
Calibration Validity	01/03/2021		
Calibration by	Tempsens		

Environmental Condition	Temperature	25±4 °C	Calibration Reference	IS:6274
	Relative Humidity	50±20 %	Calibration Procedure	CP-02T

Calibration Results			
Serial No.	Std. Reading in (°C)	Measured Reading in (°C)	Uncertainty At 95% C.L. (coverage factor K=2)
01.	-17.35	-16.5	±0.3 °C
02.	-15.46	-14.5	
03.	-10.22	-9.0	
04.	0.10	0.5	
05.	50.25	50.0	
06.	99.44	100.0	
07.	149.56	150.0	
08.	192.56	190.0	

Remarks:

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Customer Name And Address	M/S: Ashok Nursing Home. F-3/13-16, Vijay Chowk, Krishan Nagar, Delhi-110051.	Certificate No.	CC223920600023533 F
		Service request No & date	P/01/20/08/2020
		Date of calibration	20/08/2020
		Valid up to	19/08/2021
		Date of issue	21/08/2020

Instrument Details			
Instrument name	Digital Thermometer (Multi)	S. No.	-----
Make/Model	Multi-Thermometer	Location	Refrigerator (Path Lab)
Range / Size	-50 to 300 °C	Accuracy	-----
Least Count	0.1 °C	Visual Inspection	OK
I.D. No.	DTM-04		

Detail of reference standards & Major equipments used			
Equipment Name	RTD With Digital Indicator		
Make	YCT / SBI		
Model / SR No.	11080368		
Certificate No.	TL/020/181.2.1		
Calibration Validity	01/03/2021		
Calibration by	Tempsens		

Environmental Condition	Temperature	25±4 °C	Calibration Reference	IS:6274
	Relative Humidity	50±20 %	Calibration Procedure	CP-02T

Calibration Results			
Serial No.	Std. Reading in (°C)	Measured Reading in (°C)	Uncertainty At 95% C.L. (coverage factor K=2)
01.	-17.25	-16.2	±0.3 °C
02.	-15.36	-14.4	
03.	-10.45	-9.5	
04.	0.12	0.2	
05.	50.35	50.1	
06.	99.54	99.0	
07.	149.68	158.4	
08.	192.95	191.3	

Remarks:

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ASIAN TECHNOLOGY

(A HOUSE OF CALIBRATION)

Cert. No. : CC-2239



CALIBRATION CERTIFICATE

Customer Name And Address	M/S: Ashok Nursing Home. F-3/13-16, Vijay Chowk, Krishan Nagar, Delhi-110051.	Certificate No.	CC223920600023534 F
		Service request No & date	P/01/20/08/2020
		Date of calibration	20/08/2020
		Valid up to	19/08/2021
		Date of issue	21/08/2020

Instrument Details			
Instrument name	Pipette	Sr. No.	-----
Make / Model No.	----	Location	Path Lab
Range / Size	1 to 5 ml	Accuracy	-----
Least Count	1 ml	Visual Inspection	OK
I.D. No.	P-01		

Detail of reference standards & Major equipments used			
Equipment Name	A set of weight box	Digital Weighing Balance	
Make	Weigh India	AND	
Model / SR No.	-----	GH-252	
Certificate No.	WMCL/E/2018-12/2533	CC20532000000016F	
Calibration Validity	26/12/2021	16/02/2021	
Calibration by	WEIGHTRONICS	Kelvin Research Centre	

Environmental Condition	Temperature	23± 3 °C	Calibration Reference	IS:4162
	Relative Humidity	50±20%	Calibration Procedure	CP-33

Calibration Results			
Serial No.	Nominal Capacity in (ml)	Measured Capacity in (ml)	Uncertainty At 95% C.L. (coverage factor K=2)
01.	1	0.99940	±0.01 ml
02.	2	1.99892	
03.	3	2.99852	
04.	4	3.99525	
05.	5	4.99105	

Remarks:

- ❖ This result of calibration refer to only to the particular item submitted for calibration.
- ❖ The above result are valid at the time of and under the stated conditions measurement.
- ❖ Calibration certificate issued for weight & measure parameters like mass, weighting balance, volumetric equipment, measuring scales/tapes etc. are scientific purpose only and should not used for commercial.

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(QM/TM)
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ASIAN TECHNOLOGY

(A HOUSE OF CALIBRATION)
Cert. No. : CC-2239



CALIBRATION CERTIFICATE

Customer Name And Address	M/S: Ashok Nursing Home. F-3/13-16, Vijay Chowk, Krishan Nagar, Delhi-110051.	Certificate No.	CC223920600023535 F
		Service request No & date	P/01/20/08/2020
		Date of calibration	20/08/2020
		Valid up to	19/08/2021
		Date of issue	21/08/2020

Instrument Details			
Instrument name	Micro Pipette	Sr. No.	085856
Make / Model No.	-----	Location	Path Lab
Range / Size	500 µl	Accuracy	-----
Least Count	N/A	Visual Inspection	OK
I.D. No.	MP-03		

Detail of reference standards & Major equipments used			
Equipment Name	A set of weight box	Digital Weighing Balance	
Make	Weigh India	AND	
Model / SR No.	-----	GH-252	
Certificate No.	WMCL/E/2018-12/2533	CC205320000000016F	
Calibration Validity	26/12/2021	16/02/2021	
Calibration by	WEIGHTRONICS	Kelvin Research Centre	

Environmental Condition	Temperature	23± 3 °C	Calibration Reference	IS:4162
	Relative Humidity	50±20%	Calibration Procedure	CP-33

Calibration Results			
Serial No.	Nominal Capacity in (µl)	Measured Capacity in (µl)	Uncertainty At 95% C.L. (coverage factor K=2)
01.	500	499.95	±0.46 µl

Remarks:

- ❖ This result of calibration refer to only to the particular item submitted for calibration.
- ❖ The above result are valid at the time of and under the stated conditions measurement.
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Cert. No. : CC-2239



CALIBRATION CERTIFICATE

Customer Name And Address	M/S: Ashok Nursing Home. F-3/13-16, Vijay Chowk, Krishan Nagar, Delhi-110051.	Certificate No.	CC223920600023536 F
		Service request No & date	P/01/20/08/2020
		Date of calibration	20/08/2020
		Valid up to	19/08/2021
		Date of issue	21/08/2020

Instrument Details			
Instrument name	Pipette	Sr. No.	NL 485257
Make	Durapet	Location	Path Lab
Range / Size	5 to 50 μ l	Accuracy	-----
Least Count	5 μ l	Visual Inspection	OK
I.D. No.	P-02		

Detail of reference standards & Major equipments used			
Equipment Name	A set of weight box	Digital Weighing Balance	
Make	Weigh India	AND	
Model / SR No.	-----	GH-252	
Certificate No.	WMCL/E/2018-12/2533	CC205320000000016F	
Calibration Validity	26/12/2021	16/02/2021	
Calibration by	WEIGHTRONICS	Kelvin Research Centre	

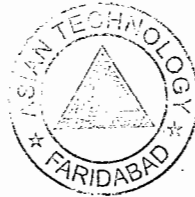
Environmental Condition	Temperature	23 \pm 3 $^{\circ}$ C	Calibration Reference	IS:1997
	Relative Humidity	50 \pm 20%	Calibration Procedure	CP-33

Calibration Results			
Serial No.	Nominal Capacity in (μ l)	Measured Capacity in (μ l)	Uncertainty At 95% C.L. (coverage factor $k=2$)
01.	10.0	10.02125	$\pm 0.10 \mu$ l
02.	20.0	19.98945	
03.	30.0	29.97505	
04.	40.0	39.96912	
05.	50.0	49.96245	

Remarks:

- ❖ This result of calibration refer to only to the particular item submitted for calibration.
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