

CALIBRATION CERTIFICATE OF COLOUR MATCHING CABINET

Customer Name	: Ranga Fab		
Address	: 5-A, Bharathi Nagar (West), Karur - 639 002.		
Receipt Date	: 08.03.2022	Certificate No.	: RTS-220308-101N
Calibration ID	: CAL-220308-1	Issue Date	: 12.03.2022
Calibration Date	: 08.03.2022	Page	: 1 of 1
Next Calibration Due	: 08.03.2023		
Equipment Name	: Colour Matching Cabinet	Equipment ID	: RF/CMC/01
Make & Model	: Spectro	Location	: Laboratory
Serial No.	: -		
Mode of Calibration	: On-Site	Temperature	: 25.4 °C
Equipment Condition	: Satisfactory	Relative Humidity	: 63.8 %

Calibration Procedure : : The Colour Matching Cabinet is Calibrated using Calibrated Lux Meter.

#	Master Equipment	Traceability	Valid Up to
1	Lux Meter	JRPM-CCTR-OPT-2020-0050	13.09.2022

CALIBRATION RESULTS			
#	Light Source	No. of Bulbs	Measured Value (Lux)
1	CWF	1	1203
2	D 65	2	1392
3	INCA	4	2040
4	TL 84	1	1059
5	UVB	1	32.7

Illuminance levels are a result of distance from the light source, age of lamps, effect of surroundings and maintenance.
Light lux levels are calculated at a distance of 100 mm above the bottom of the light booth.

Turn over for important notes

Calibrated by : Marimuthu S
Sr. Calibration Engineer

Authorised by : Sreenithi P
Authorised Signatory

CALIBRATION CERTIFICATE OF GSM CUTTER

For the parameter : Dimensions

Customer Name	: Ranga Fab		
Address	: 5-A, Bharathi Nagar (West), Karur - 639 002.		
Receipt Date	: 08.03.2022	Certificate No.	: RTS-220308-102N
Calibration ID	: CAL-220308-1	Issue Date	: 12.03.2022
Calibration Date	: 08.03.2022	Page	: 1 of 1
Next Calibration Due	: 08.03.2023		
Equipment Name	: GSM Cutter	Range & Readability	: Not applicable
Make & Model	: Cut & Fit	Equipment ID	: RF/GC/01
Serial No.	: 3706	Location	: Laboratory
Mode of Calibration	: In-house	Temperature	: 25.2 °C
Equipment Condition	: Satisfactory	Relative Humidity	: 66.8 %
Calibration discipline(s)	: Mechanical		
Calibration Procedure	: RTS/SOP/11. Reference Standard : ISO 12727.		

#	Master Equipment	Traceability	Valid up to
1	Digital Caliper	RTS-211102-101	02.11.2022

CALIBRATION RESULTS				
#	Description	Measured Value	Uncertainty	Specified Value
		(mm)	(± µm)	(mm)
1	Diameter of the Template	112.98	37	112.8 ± 0.5
2	Diameter of the Specimen	113.04	37	112.8 ± 0.5

Uncertainty reported is the Expanded Uncertainty calculated with a coverage factor (K) = 2, corresponding to 95% confidence level.

Turn over for important notes

Calibrated by : Marimuthu S
Sr. Calibration EngineerAuthorised by : Sreenithi P
Authorised Signatory

CALIBRATION CERTIFICATE OF ELECTRONIC WEIGHING BALANCE

Customer Name	: Ranga Fab		
Address	: 5-A, Bharathi Nagar (West), Karur - 639 002.		
Receipt Date	: 08.03.2022	Certificate No.	: RTS-220308-103N
Calibration ID	: CAL-220308-1	Issue Date	: 12.03.2022
Calibration Date	: 08.03.2022	Page	: 1 of 1
Next Calibration Due	: 08.03.2023		
Equipment Name	: GSM Balance	Range & Readability	: 200 mg to 600 g 0.01 g
Make & Model	: Smart JAX	Equipment ID	: GB-01
Serial No.	: -	Location	: Laboratory
Mode of Calibration	: On-site	Temperature	: 25.2 °C
Equipment Condition	: Satisfactory	Relative Humidity	: 65.4 %
Calibration discipline(s)	: Mechanical		
Calibration Procedure	: RTS/SOP/03, reference Standard : OIML R76 - 1.		

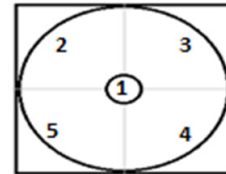
#	Master Equipment	Traceability	Valid Up to
1	Standard Weight Set E2 Class	2021-22/EQN/210439-01	24.04.2022
2	Standard Weight Set F1 Class	TVCSP1 19/11/1103-01	15.11.2022

CALIBRATION RESULTS

Linearity Test				
#	Reference Value (g)	EUC Value (g)	Deviation (g)	Uncertainty (± mg)
1	0.000000	0.00	0.00	0.09
2	1.000016	1.00	0.00	0.09
3	5.000015	5.00	0.00	0.09
4	50.000036	49.99	-0.01	0.09
5	100.000058	99.99	-0.01	0.09
6	199.999998	199.96	-0.04	0.09
7	600.000558	599.91	-0.09	0.09

Repeatability Test			
#	Nominal Value (g)	Measured Mean Value (g)	Standard Deviation (g)
1	200 g	199.96	0.004
2	600 g	599.91	0.005

Eccentricity Test	
Parameter	Measured Value (g)
Max. Error Between Center and Corner Points	0.02



Eccentricity Test Arrangement

Uncertainty reported is the Expanded Uncertainty calculated with a coverage factor (K) = 2, corresponding to 95% confidence level.

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Calibrated by : Marimuthu S
Sr. Calibration Engineer

Authorised by : Sreenithi P
Authorised Signatory

CALIBRATION CERTIFICATE OF CROCK METER

For the parameters : Dimensions and Time Interval

Customer Name	: Ranga Fab		
Address	: 5-A, Bharathi Nagar (West), Karur - 639 002.		
Receipt Date	: 08.03.2022	Certificate No.	: RTS-220308-104N
Calibration ID	: CAL-220308-1	Issue Date	: 12.03.2022
Calibration Date	: 08.03.2022	Page	: 1 of 1
Next Calibration Due	: 08.03.2023		
Equipment Name	: Crock Meter	Range & Readability	: Not Applicable
Make & Model	: Global	Equipment ID	: RF/CM/01
Serial No.	: -	Location	: Laboratory
Mode of Calibration	: In-house & On-site	Temperature	: 25.6 °C
Equipment Condition	: Satisfactory	Relative Humidity	: 63.8 %

Calibration discipline(s) : Mechanical and Electro-Technical

Calibration Procedure : RTS/SOP/11 07 and 05. Reference Standard: BS EN ISO 105 - X12 and AATCC 5.

#	Master Equipment	Traceability	Valid up to
1	Digital Caliper	RTS-211102-101	02.11.2022
2	Time Totaliser	RMTL/01/321104500-A3	07.11.2022
3	Digital Force Gauge	RTS-211231-101	31.12.2022

CALIBRATION RESULTS				
#	Description	Specified Value	Measured Value	Uncertainty
Dimensions				
		(mm)	(mm)	(± mm)
1	Rubbing Finger Diameter	16 ± 0.1	16.18	0.037
2	Stroke Length	104 ± 3	104.84	0.037
Time Interval				
		(S)	(S)	(S)
1	Time taken for 10 Strokes	10	10.4	0.049
Force				
		(N)	(N)	(N)
1	Downward Force exerted by the mass	9 ± 0.2	8.7	0.098
Track Impression				
The track impression formed by the crocking effect is found Uniform				

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Turn over for important notes

 Calibrated by : Marimuthu S
 Sr. Calibration Engineer

 Authorised by : Sreenithi P
 Authorised Signatory

CALIBRATION CERTIFICATE OF LAUNDEROMETER

For the parameters : Temperature, Time Interval, Speed and Dimensions

Customer Name	: Ranga Fab		
Address	: 5-A, Bharathi Nagar (West), Karur - 639 002.		
Receipt Date	: 08.03.2022	Certificate No.	: RTS-220308-105N
Calibration ID	: CAL-220308-1	Issue Date	: 12.03.2022
Calibration Date	: 08.03.2022	Page	: 1 of 1
Next Calibration Due	: 08.03.2023		
Equipment Name	: Launderometer	Range & Readability	: Refer 'Calibration Results' Section
Make & Model	: -	Equipment ID	: RF/LM/01
Serial No.	: -	Location	: Laboratory
Mode of Calibration	: In-house & On-site	Temperature	: 25.9 °C
Equipment Condition	: Satisfactory	Relative Humidity	: 65.3 %
Calibration discipline(s)	: Thermal, Electro-Technical and Mechanical		
Calibration Procedure	: RTS/SOP/01 07 and 08.. Reference Standard: ISO 105 - C06		

#	Master Equipment	Traceability	Valid Up to
1	Digital Thermometer	CC-2021-L-0074/001	20.04.2022
2	Time Totaliser	RMTL/01/321104500-A3	07.11.2022
3	Digital Tachometer	TVCSPL 22/01/143-01	31.01.2023

CALIBRATION RESULTS				
#	Reference Value	EUC Value	Deviation	Uncertainty
Temperature bath				
				Readability : 1 °C
	(°C)	(°C)	(°C)	(± °C)
1	29.892	30	0.109	0.93
2	39.678	40	0.323	0.93
3	59.386	60	0.614	0.93
4	79.145	80	0.856	0.93
5	93.873	95	1.127	0.93
Timer				
				Readability : 1 S
	(S)	(S)	(S)	(± S)
1	600.2	600	-0.2	0.57
2	1800.7	1800	-0.7	0.57
3	3601.5	3600	-1.5	0.57
Rotational Speed (Mechanical)				
		(RPM)	(± RPM)	(RPM)
1	Rotational speed of the shaft	40.8	1.9	40 ± 2

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Turn over for important notes

Calibrated by : Marimuthu S
Sr. Calibration Engineer

Authorised by : Sreenithi P
Authorised Signatory

CALIBRATION CERTIFICATE OF WASHING MACHINE

For the parameters : Temperature, Time Interval and Speed

Customer Name	: Ranga Fab		
Address	: 5-A, Bharathi Nagar (West), Karur - 639 002.		
Receipt Date	: 08.03.2022	Certificate No.	: RTS-220308-106N
Calibration ID	: CAL-220308-1	Issue Date	: 12.03.2022
Calibration Date	: 08.03.2022	Page	: 1 of 1
Next Calibration Due	: 08.03.2023		
Equipment Name	: Washing Machine	Range & Readability	: Not Applicable
Make & Model	: Siemens IQ100	Equipment ID	: RF/WM/01
Serial No.	: 622001151309141041	Location	: Laboratory
Mode of Calibration	: On-site	Temperature	: 25.9 °C
Equipment Condition	: Satisfactory	Relative Humidity	: 65.4 %
Calibration discipline(s)	: Thermal, Electro-Technical and Mechanical.		
Calibration Procedure :	: RTS/SOP/01, 07 and 08.		

#	Master Equipment	Traceability	Valid Up to
1	Digital Thermometer	CC-2021-L-0074/001	20.04.2022
2	Time Totaliser	RMTL/01/321104500-A3	07.11.2022
3	Digital Tachometer	TVC SPL 22/01/143-01	31.01.2023

CALIBRATION RESULTS

Temperature Indicator				
#	Set Value / Program	Measured Value	Deviation	Uncertainty
	(°C)	(°C)	(°C)	(± °C)
1	40	39.86	0.14	0.93
2	60	59.53	0.47	0.93
3	90	89.17	0.83	0.93

Timer			
#	Set Value / Program	Measured Value	Uncertainty
		(S)	(± S)
1	Wash	3962.9	0.2
2	Rinse	5046.2	0.2
3	Spin	7033.5	0.2

Rotational Speed			
#	Description	Measured	Uncertainty
		(RPM)	(± RPM)
1	Extraction	1108	1.9

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Calibrated by : Marimuthu S
Sr. Calibration Engineer

Authorised by : Sreenithi P
Authorised Signatory

CALIBRATION CERTIFICATE OF TUMBLE DRIER

For the parameters : Temperature and Time Interval

Customer Name	: Ranga Fab	Certificate No.	: RTS-220308-107N
Address	: 5-A, Bharathi Nagar (West), Karur - 639 002.	Issue Date	: 12.03.2022
Receipt Date	: 08.03.2022	Page	: 1 of 1
Calibration ID	: CAL-220308-1		
Calibration Date	: 08.03.2022		
Next Calibration Due	: 08.03.2023		
Equipment Name	: Tumble Drier	Range & Readability	: Refer 'Calibration Results' Section
Make & Model	: IFB Maxidry 550	Equipment ID	: RF/TD/01
Serial No.	: -	Location	: Laboratory
Mode of Calibration	: On-site	Temperature	: 24.6 °C
Equipment Condition	: Satisfactory	Relative Humidity	: 63.4 %
Calibration discipline(s)	: Thermal and Electro-Technical		
Calibration Procedure	: RTS/SOP/01 and 07. Reference Standard : ISO 6330.		

#	Master Equipment	Traceability	Valid Up to
1	Digital Thermometer	CC-2021-L-0074/001	20.04.2022
2	Time Totaliser	RMTL/01/321104500-A3	07.11.2022

CALIBRATION RESULTS

Temperature				
#	Description	Measured Value	Uncertainty	Specified Value
	(°C)	(°C)	(± °C)	(°C)
1	Normal - Minimum	39.561	0.93	< 60
2	Normal - Maximum	59.354	0.93	< 80
3	Easy - Minimum	35.145	0.93	< 60
4	Easy - Maximum	57.492	0.93	< 80

Time Interval				
#	Set Value	Measured Value	Deviation	Uncertainty
	(S)	(S)	(S)	(± S)
1	2400	2401.5	-1.5	1.2
2	5400	5402.8	-2.9	1.2
3	7200	7205.7	-5.7	1.2
4	9600	9608.2	-8.3	1.2

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Calibrated by : Marimuthu S
Sr. Calibration Engineer

Authorised by : Sreenithi P
Authorised Signatory

CALIBRATION CERTIFICATE OF THERMOMETER

Customer Name	: Ranga Fab		
Address	: 5-A, Bharathi Nagar (West), Karur - 639 002.		
Receipt Date	: 08.03.2022	Certificate No.	: RTS-220308-108N
Calibration ID	: CAL-220308-1	Issue Date	: 12.03.2022
Calibration Date	: 08.03.2022	Page	: 1 of 1
Next Calibration Due	: 08.03.2023		
Equipment Name	: LIG Thermometer	Range & Readability	: -10 to 110 °C 1 °C
Make & Model	: Dimple	Equipment ID	: RF/LIG/01
Serial No.	: -	Location	: Laboratory
Mode of Calibration	: In-house	Temperature	: 26.7 °C
Equipment Condition	: Satisfactory	Relative Humidity	: 63.5 %
Calibration discipline(s)	: Thermal		
Calibration Procedure	: RTS/SOP/01.		

#	Master Equipment	Traceability	Valid Up to
1	Digital Thermometer	CC-2021-L-0074/001	20.04.2022

CALIBRATION RESULTS				
#	Reference Value (°C)	EUC Value (°C)	Deviation (°C)	Uncertainty (± °C)
1	30.093	30	-0.093	0.60
2	40.145	40	-0.145	0.60
3	50.183	50	-0.183	0.60
4	75.248	76	0.752	0.60
5	100.485	101	0.515	0.60
6	105.752	106	0.248	0.60

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Calibrated by : Marimuthu S
Sr. Calibration Engineer

Authorised by : Sreenithi P
Authorised Signatory

CALIBRATION CERTIFICATE OF COUNTING GLASS

For the parameter : Dimensions

Customer Name	: Ranga Fab		
Address	: 5-A, Bharathi Nagar (West), Karur - 639 002.		
Receipt Date	: 08.03.2022	Certificate No.	: RTS-220308-109N
Calibration ID	: CAL-220308-1	Issue Date	: 12.03.2022
Calibration Date	: 08.03.2022	Page	: 1 of 1
Next Calibration Due	: 08.03.2023		
Equipment Name	: Pick Counting Glass	Range & Readability	: Refer 'Calibration Results' Section
Make & Model	: A-One	Equipment ID	: RF/PC/01
Serial No.	: -	Location	: Laboratory
Mode of Calibration	: In-house	Temperature	: 25.8 °C
Equipment Condition	: Satisfactory	Relative Humidity	: 63.9 %
Calibration discipline(s)	: Mechanical		
Calibration Procedure	: RTS/SOP/11.		

#	Master Equipment	Traceability	Valid Up to
1	Digital Caliper	RTS-211102-101	02.11.2022

CALIBRATION RESULTS				
#	Description	Measured Value	Uncertainty	Specified Value
		(mm)	(± µm)	(mm)
1	1/4" mark	6.31	37	6.35 ± 0.1
2	1/2" mark	12.69	37	12.7 ± 0.1
3	1" mark	25.32	37	25.4 ± 0.1

Uncertainty reported is the Expanded Uncertainty calculated with a coverage factor (K) = 2, corresponding to 95% confidence level.

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Calibrated by : Marimuthu S
Sr. Calibration Engineer

Authorised by : Sreenithi P
Authorised Signatory

CALIBRATION CERTIFICATE OF COUNTING GLASS

For the parameter : Dimensions

Customer Name	: Ranga Fab		
Address	: 5-A, Bharathi Nagar (West), Karur - 639 002.		
Receipt Date	: 08.03.2022	Certificate No.	: RTS-220308-110N
Calibration ID	: CAL-220308-1	Issue Date	: 12.03.2022
Calibration Date	: 08.03.2022	Page	: 1 of 1
Next Calibration Due	: 08.03.2023		
Equipment Name	: Pick Counting Glass	Range & Readability	: Refer 'Calibration Results' Section
Make & Model	: A-One	Equipment ID	: RF/PC/02
Serial No.	: -	Location	: Laboratory
Mode of Calibration	: In-house	Temperature	: 25.8 °C
Equipment Condition	: Satisfactory	Relative Humidity	: 63.9 %
Calibration discipline(s)	: Mechanical		
Calibration Procedure	: RTS/SOP/11.		

#	Master Equipment	Traceability	Valid Up to
1	Digital Caliper	RTS-211102-101	02.11.2022

CALIBRATION RESULTS				
#	Description	Measured Value	Uncertainty	Specified Value
		(mm)	(± µm)	(mm)
1	1/4" mark	6.32	37	6.35 ± 0.1
2	1/2" mark	12.69	37	12.7 ± 0.1
3	1" mark	12.35	37	25.4 ± 0.1

Uncertainty reported is the Expanded Uncertainty calculated with a coverage factor (K) = 2, corresponding to 95% confidence level.

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Calibrated by : Marimuthu S
Sr. Calibration Engineer

Authorised by : Sreenithi P
Authorised Signatory

CALIBRATION CERTIFICATE OF MEASURING SCALE

Customer Name	: Ranga Fab		
Address	: 5-A, Bharathi Nagar (West), Karur - 639 002.		
Receipt Date	: 08.03.2022	Certificate No.	: RTS-220308-111N
Calibration ID	: CAL-220308-1	Issue Date	: 12.03.2022
Calibration Date	: 08.03.2022	Page	: 1 of 1
Next Calibration Due	: 08.03.2023		
Equipment	: Measuring Scale	Range & Readability	: 0 - 300 mm 1 mm
Make & Model	: Index	Equipment ID	: RF/SS/01
Serial No.	: -	Location	: Laboratory
Mode of Calibration	: On-Site	Temperature	: 25.7 °C
Equipment Condition	: Satisfactory	Relative Humidity	: 63.8 %

Calibration Procedure : The Steel Scale was fixed on a horizontal surface and the graduations were compared with the digital readout value.

#	Master Equipment	Traceability	Valid Up to
1	Digital Caliper	RTS-211102-101	02.11.2022

CALIBRATION RESULTS			
#	Parameter	Calibrated Value (mm)	Tolerance (mm)
1	Distance between any two adjacent mm line	0.99 to 1.01	1.0 ± 0.05
2	Distance between any two contiguous cm line	9.98 to 10.02	10.0 ± 0.1
3	Distance between any two contiguous dcm line	99.95 to 100.03	100.0 ± 0.15
4	Distance between		
a	0 - 100 mm	100.12	± 0.2
b	0 - 200 mm	200.18	± 0.2
c	0 - 300 mm	300.24	± 0.3

The variation in the length measurement is within the allowable tolerance limits and the measuring scale is fit for its intended use.

Please turn over for important notes

Calibrated by : Marimuthu S
Sr. Calibration Engineer

Authorised by : Sreenithi P
Authorised Signatory

CALIBRATION CERTIFICATE OF MEASURING TAPE

Customer Name	: Ranga Fab		
Address	: 5-A, Bharathi Nagar (West), Karur - 639 002.		
Receipt Date	: 08.03.2022	Certificate No.	: RTS-220308-112N
Calibration ID	: CAL-220308-1	Issue Date	: 12.03.2022
Calibration Date	: 08.03.2022	Page	: 1 of 1
Next Calibration Due	: 08.03.2023		
Equipment	: Measuring Tape	Range & Readability	: 0 - 1500 mm 1 mm
Make & Model	: Jyoti	Equipment ID	: RF/MT/01
Serial No.	: -	Location	: Laboratory
Mode of Calibration	: On-Site	Temperature	: 24.9 °C
Equipment Condition	: Satisfactory	Relative Humidity	: 64.2 %

Calibration Procedure : The Measuring tape was fixed on a horizontal surface and the graduations were compared with the digital readout value.

#	Master Equipment	Traceability	Valid Up to
1	Digital Caliper	RTS-211102-101	02.11.2022

CALIBRATION RESULTS

#	Parameter	Calibrated Value (mm)	Tolerance (mm)
1	Distance between any two adjacent mm line	0.96 to 1.01	1.0 ± 0.05
2	Distance between any two contiguous cm line	9.91 to 10.03	10.0 ± 0.1
3	Distance between any two contiguous dcm line	99.90 to 100.07	100.0 ± 0.15
4	Distance between		
a	0 - 200 mm	200.05	± 0.2
b	0 - 400 mm	400.08	± 0.4
c	0 - 600 mm	600.12	± 0.6
d	0 - 800 mm	800.34	± 0.8
e	0 - 1000 mm	1000.46	± 1.0
f	0 - 1200 mm	1200.53	± 1.2
g	0 - 1500 mm	1500.67	± 1.5

The variation in the length measurement is within the allowable tolerance limits and the measuring scale is fit for its intended use.

Turn over for important notes

 Calibrated by : Marimuthu S
 Sr. Calibration Engineer

 Authorised by : Sreenithi P
 Authorised Signatory

CALIBRATION CERTIFICATE OF FABRIC SHRINKAGE TEMPLATE

For the parameter : Dimensions

Customer Name	: Ranga Fab	Certificate No.	: RTS-220308-113N
Address	: 5-A, Bharathi Nagar (West), Karur - 639 002.	Issue Date	: 12.03.2022
Receipt Date	: 08.03.2022	Page	: 1 of 1
Calibration ID	: CAL-220308-1		
Calibration Date	: 08.03.2022		
Next Calibration Due	: 08.03.2023		
Equipment Name	: Shrinkage Template	Range	: 250mm - 350mm - 500mm
Make & Model	: -	Equipment ID	: RF/SHT/01
Serial No.	: -	Location	: Laboratory
Mode of Calibration	: On-site	Temperature	: 25.7 °C
Equipment Condition	: Satisfactory	Relative Humidity	: 65.3 %
Calibration discipline(s)	: Mechanical		
Calibration Procedure	: RTS/SOP/11.		

#	Master Equipment	Traceability	Valid up to
1	Digital Caliper	RTS-211102-101	02.11.2022
2	Measuring Tape	UMS/CHN/21-22/1756-03	13.02.2023

CALIBRATION RESULTS				
#	Description	Measured Value	Uncertainty	Specified Val.
		(mm)	(± µm)	(mm)
250 mm X 250 mm Template Dimensions				
1	Horizontal			
	i) Top	250.18	40	250 ± 1
	ii) Bottom	250.21	40	250 ± 1
2	Vertical			
	i) Top	250.13	40	250 ± 1
	ii) Bottom	250.24	40	250 ± 1
350 mm X 350 mm Template Dimensions				
1	Horizontal			
	i) Top	350	50	350 ± 1
	ii) Bottom	351	50	350 ± 1
2	Vertical			
	i) Top	350	50	350 ± 1
	ii) Bottom	350	50	350 ± 1
500 mm X 500 mm Template Dimensions				
1	Horizontal			
	i) Top	500	50	500 ± 1
	ii) Bottom	500	50	500 ± 1
2	Vertical			
	i) Top	500	50	500 ± 1
	ii) Bottom	501	50	500 ± 1

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Turn over for important notes

Calibrated by : Marimuthu S
Sr. Calibration Engineer

Authorised by : Sreenithi P
Authorised Signatory

CALIBRATION CERTIFICATE OF GREY SCALE - FOR CHANGE IN COLOUR

Customer Name	: Ranga Fab		
Address	: 5-A, Bharathi Nagar (West), Karur - 639 002.		
Receipt Date	: 08.03.2022	Certificate No.	: RTS-220308-114N
Calibration ID	: CAL-220308-1	Issue Date	: 12.03.2022
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Next Calibration Due	: 08.03.2023		
Equipment Name	: Grey Scale - For Change in Colour	Range & Readability	: Not applicable
Make	: SDC 3305	Equipment ID	: RF/GSS/01
C of C	: 1318	Location	: Laboratory
Mode of Calibration	: In-House	Temperature	: 25.9 °C
Equipment Condition	: Satisfactory	Relative Humidity	: 64.8 %
Calibration Procedure : By comparison with the standard reference thermometer.			

#	Master Equipment
1	Spectrophotometer, XRite, Color i7, Calibrated against standard tiles

CALIBRATION RESULTS					
Fastness Grade	Y-Value		Delta E value*		Remark
	Specified	Measured	Specified*	Measured	
5	12 ± 1	12.8	0.0 ± 0.2	0	Passed
4 / 5	12 ± 1	12.5	0.8 ± 0.2	0.5	Passed
4	12 ± 1	12.3	1.7 ± 0.3	1.5	Passed
3 / 4	12 ± 1	12.7	2.5 ± 0.3	2.3	Passed
3	12 ± 1	12.7	3.4 ± 0.4	3.2	Passed
2 / 3	12 ± 1	12.6	4.8 ± 0.5	4.5	Passed
2	12 ± 1	12.3	6.8 ± 0.6	6.3	Passed
1 / 2	12 ± 1	12.5	9.6 ± 0.7	9.7	Passed
1	12 ± 1	12.8	13.6 ± 1.0	13.2	Passed

* ISO 105 A02,AATCC requirement

Turn over for important notes

Calibrated by : Marimuthu S
Sr. Calibration Engineer

Authorised by : Sreenithi P
Authorised Signatory

CALIBRATION CERTIFICATE OF GREY SCALE - STAINING

Customer Name	: Ranga Fab		
Address	: 5-A, Bharathi Nagar (West), Karur - 639 002.		
Receipt Date	: 08.03.2022	Certificate No.	: RTS-220308-115N
Calibration ID	: CAL-220308-1	Issue Date	: 12.03.2022
Calibration Date	: 08.03.2022	Page	: 1 of 1
Next Calibration Due	: 08.03.2023		
Equipment Name	: Grey Scale - Staining	Range & Readability	: Not applicable
Make	: SDC 3355	Equipment ID	: RF/GSS/02
C of C	: 1389	Location	: Laboratory
Mode of Calibration	: In-House	Temperature	: 25.9 °C
Equipment Condition	: Satisfactory	Relative Humidity	: 64.8 %
Calibration Procedure : By comparison with the standard reference thermometer.			

#	Master Equipment
1	Spectrophotometer, XRite, Color i7, Calibrated against standard tiles

CALIBRATION RESULTS					
Fastness Grade	Y-Value		Delta E value*		Remark
	Specified	Measured	Specified*	Measured	
5	Not less than 85	85.8	0.0 ± 0.2	0.1	Passed
4 / 5	Not less than 85	85.9	2.2 ±0.3	2.3	Passed
4	Not less than 85	85.5	4.3 ±0.3	4.4	Passed
3 / 4	Not less than 85	86.3	6.0 ±0.4	6.2	Passed
3	Not less than 85	86.0	8.5 ±0.5	8.8	Passed
2 / 3	Not less than 85	85.5	12.0 ±0.7	12.5	Passed
2	Not less than 85	85.3	16.9 ±1.0	16.7	Passed
1 / 2	Not less than 85	86.1	24.0 ±1.5	24.3	Passed
1	Not less than 85	85.8	34.1 ±2.0	34.5	Passed

* ISO 105 A03,AATCC requirement

Turn over for important notes

Calibrated by : Marimuthu S
Sr. Calibration Engineer

Authorised by : Sreenithi P
Authorised Signatory