



PDCA International Ltd.

House # 20, Road # 04, Sector # 05, Uttara Model Town, Dhaka, Bangladesh

E-Mail: info@pdca-intl.com, Contact No: +8801711481269

Website: www.pdca-intl.com



Calibration Certificate

Instrument: Beaker

Certificate No: 25005014011

1.1. Service Request No

: PDCA-CAL/25/SC/123

1.2. Issued to

: SHANS CORPORATION

Holding No.1348, Sadhapur Bakultola, Nama Genda
Nagorkonda-1216, Savar, Dhaka, Bangladesh.

1.3. Date of calibration

: 27-05-2025

1.4. Date of Issue

: 28-05-2025

1.5. Next Calibration Due Date

: 26-05-2026

1.6. Calibration done at

: Onsite ☒ In House ☐

1.7. Environmental condition during calibration

: Temperature 32.4°C

: Humidity 58.9%

DETAILS OF UNIT UNDER CALIBRATION

Make	Model	Range (ml)	Location	Sl. No.	ID No.
N/F	N/F	0-250	Lab Room	05	SC/2025-B-001

DETAILS OF STANDARD EQUIPMENTS USED FOR CALIBRATION

Description	Make	ID. No	Certificate No	Validity	Calibration By
Weight Set	As Per Inst.	PDCA-WS-07	NCE-WS-297-23-24	10 May 2026	NCE

Calibration Procedure: The Calibration had been performed in accordance with calibration procedures PDCA-QP/ 5.4/01.15
(Comparison Method).

Conclusion(s) : For the status of measurements please refer to the guidance notes.

Guidance Notes

- Status A** The measurements is within tolerance, due allowances having been made for the uncertainty of the measurement.
- Status B** The measurements may be out of tolerance, due allowances having been made for the uncertainty of the measurement.
- Status C** The Measurement is out of tolerance, due allowances having been made for the uncertainty of the measurement.
- Status D** No Conclusion can be drawn because the standard(s) do(es) not specify a tolerance for this measurement.

Calibrated By



Approved By



PDCA International Ltd.

House # 20, Road # 04, Sector # 05, Uttara Model Town, Dhaka, Bangladesh

E-Mail: info@pdca-intl.com, Contact No: +8801711481269

Website: www.pdca-intl.com



OBSERVATIONS

Parameter: Length (Calibration Done at points 20, 50, 100, 200, 220 (ml))						
Sl. No.	UUC Value (ml)	Standard Value (ml)	Error (ml)	Tolerance (ml)	Status (A, B, C, D)	Uncertainty (ml) ±
1	20	20.00	00	± 0.5	A	0.0054
2	50	50.00	00	± 0.5	A	
3	100	99.999	-0.001	± 0.5	A	
4	200	199.997	-0.003	± 0.5	A	
5	220	219.995	-0.005	± 0.5	A	

Notes:

1. The values mentioned above are the mean readings.
2. The suggested due date & calibration point(s) are as per the customer's request.
3. This certificate shall not be reproduced, except in full, without written approval of PDCA.
4. Any section marked, "N/A" means Not Applicable, "N/P" means Not Provided, "N/R" means Not Readable, "N/S" means Not Specified.

-:END:-

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Website: www.pdca-intl.com



Calibration Certificate

Instrument: Beaker

Certificate No: 25005014012

1.1. Service Request No

: PDCA-CAL/25/SC/123

1.2. Issued to

: SHANS CORPORATION

Holding No.1348, Sadhapur Bakultola, Nama Genda
Nagorkonda-1216, Savar, Dhaka, Bangladesh.

1.3. Date of calibration

: 27-05-2025

1.4. Date of Issue

: 28-05-2025

1.5. Next Calibration Due Date

: 26-05-2026

1.6. Calibration done at

: Onsite ☒ In House ☐

1.7. Environmental condition during calibration

: Temperature 32.4°C

: Humidity 58.9%

DETAILS OF UNIT UNDER CALIBRATION

Make	Model	Range (ml)	Location	Sl. No.	ID No.
N/F	N/F	0-100	Lab Room	05	SC/2025-B-002

DETAILS OF STANDARD EQUIPMENTS USED FOR CALIBRATION

Description	Make	ID. No	Certificate No	Validity	Calibration By
Weight Set	As Per Inst.	PDCA-WS-07	NCE-WS-297-23-24	10 May 2026	NCE

Calibration Procedure: The Calibration had been performed in accordance with calibration procedures PDCA-QP/ 5.4/01.15
(Comparison Method).

Conclusion(s) : For the status of measurements please refer to the guidance notes.

Guidance Notes

- Status A** The measurements is within tolerance, due allowances having been made for the uncertainty of the measurement.
- Status B** The measurements may be out of tolerance, due allowances having been made for the uncertainty of the measurement.
- Status C** The Measurement is out of tolerance, due allowances having been made for the uncertainty of the measurement.
- Status D** No Conclusion can be drawn because the standard(s) do(es) not specify a tolerance for this measurement.

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OBSERVATIONS

Parameter: Length (Calibration Done at points 10, 15, 30, 50, 80 (ml))						
Sl. No.	UUC Value (ml)	Standard Value (ml)	Error (ml)	Tolerance (ml)	Status (A, B, C, D)	Uncertainty (ml) ±
1	10	10.00	00	± 0.5	A	0.007
2	15	15.00	00	± 0.5	A	
3	30	30.00	00	± 0.5	A	
4	50	49.999	-0.001	± 0.5	A	
5	80	79.999	-0.001	± 0.5	A	

Notes:

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Calibration Certificate

Instrument: Beaker

Certificate No: 25005014013

1.1. Service Request No

: PDCA-CAL/25/SC/123

1.2. Issued to

: SHANS CORPORATION

Holding No.1348, Sadhapur Bakultola, Nama Genda
Nagorkonda-1216, Savar, Dhaka, Bangladesh.

1.3. Date of calibration

: 27-05-2025

1.4. Date of Issue

: 28-05-2025

1.5. Next Calibration Due Date

: 26-05-2026

1.6. Calibration done at

: Onsite ☒ In House ☐

1.7. Environmental condition during calibration

: Temperature 32.4°C

: Humidity 58.9%

DETAILS OF UNIT UNDER CALIBRATION

Make	Model	Range (ml)	Location	Sl. No.	ID No.
N/F	N/F	0-50	Lab Room	05	SC/2025-B-003

DETAILS OF STANDARD EQUIPMENTS USED FOR CALIBRATION

Description	Make	ID. No	Certificate No	Validity	Calibration By
Weight Set	As Per Inst.	PDCA-WS-07	NCE-WS-297-23-24	10 May 2026	NCE

Calibration Procedure: The Calibration had been performed in accordance with calibration procedures PDCA-QP/ 5.4/01.15
(Comparison Method).

Conclusion(s) : For the status of measurements please refer to the guidance notes.

Guidance Notes

- Status A** The measurements is within tolerance, due allowances having been made for the uncertainty of the measurement.
- Status B** The measurements may be out of tolerance, due allowances having been made for the uncertainty of the measurement.
- Status C** The Measurement is out of tolerance, due allowances having been made for the uncertainty of the measurement.
- Status D** No Conclusion can be drawn because the standard(s) do(es) not specify a tolerance for this measurement.

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OBSERVATIONS

Parameter: Length (Calibration Done at points 5, 10, 15, 20, 30 (ml))						
Sl. No.	UUC Value (ml)	Standard Value (ml)	Error (ml)	Tolerance (ml)	Status (A, B, C, D)	Uncertainty (ml) $\pm$
1	5	5.00	00	± 0.5	A	0.003
2	10	10.00	00	± 0.5	A	
3	15	15.00	00	± 0.5	A	
4	20	20.00	00	± 0.5	A	
5	30	29.999	-0.001	± 0.5	A	

Notes:

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Calibration Certificate

Instrument: Beaker

Certificate No: 25005014014

1.1. Service Request No

: PDCA-CAL/25/SC/123

1.2. Issued to

: SHANS CORPORATION

Holding No.1348, Sadhapur Bakultola, Nama Genda
Nagorkonda-1216, Savar, Dhaka, Bangladesh.

1.3. Date of calibration

: 27-05-2025

1.4. Date of Issue

: 28-05-2025

1.5. Next Calibration Due Date

: 26-05-2026

1.6. Calibration done at

: Onsite ☒ In House ☐

1.7. Environmental condition during calibration

: Temperature 32.4°C

: Humidity 58.9%

DETAILS OF UNIT UNDER CALIBRATION

Make	Model	Range (ml)	Location	Sl. No.	ID No.
N/F	N/F	0-50	Lab Room	05	SC/2025-B-004

DETAILS OF STANDARD EQUIPMENTS USED FOR CALIBRATION

Description	Make	ID. No	Certificate No	Validity	Calibration By
Weight Set	As Per Inst.	PDCA-WS-07	NCE-WS-297-23-24	10 May 2026	NCE

Calibration Procedure: The Calibration had been performed in accordance with calibration procedures PDCA-QP/ 5.4/01.15
(Comparison Method).

Conclusion(s) : For the status of measurements please refer to the guidance notes.

Guidance Notes

- Status A** The measurements is within tolerance, due allowances having been made for the uncertainty of the measurement.
- Status B** The measurements may be out of tolerance, due allowances having been made for the uncertainty of the measurement.
- Status C** The Measurement is out of tolerance, due allowances having been made for the uncertainty of the measurement.
- Status D** No Conclusion can be drawn because the standard(s) do(es) not specify a tolerance for this measurement.

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OBSERVATIONS

Parameter: Length (Calibration Done at points 5, 10, 15, 20, 30 (ml))						
Sl. No.	UUC Value (ml)	Standard Value (ml)	Error (ml)	Tolerance (ml)	Status (A, B, C, D)	Uncertainty (ml) ±
1	5	5.00	00	± 0.5	A	0.009
2	10	10.00	00	± 0.5	A	
3	15	15.00	00	± 0.5	A	
4	20	19.999	-0.001	± 0.5	A	
5	30	29.999	-0.001	± 0.5	A	

Notes:

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Website: www.pdca-intl.com



Calibration Certificate

Instrument: Digital Weight Scale

Certificate No: 25005014001

1.1. Service Request No

: PDCA-CAL/25/SC/123

1.2. Issued to

: SHANS CORPORATION

Holding No.1348, Sadhapur Bakultola, Nama Genda
Nagorkonda-1216, Savar, Dhaka, Bangladesh.

1.3. Date of calibration

: 27-05-2025

1.4. Date of Issue

: 28-05-2025

1.5. Next Calibration Due Date

: 26-05-2026

1.6. Calibration done at

: Onsite ☒ In House ☐

1.7. Environmental condition during calibration

: Temperature 32.4°C

: Humidity 58.9%

DETAILS OF UNIT UNDER CALIBRATION

Make	Model	Range	Location	Sl. No.	ID No.
MEGA	T20	0-20 Kg	Finishing	01	SC/2025-DWS-001

DETAILS OF STANDARD EQUIPMENTS USED FOR CALIBRATION

Description	Make	ID. No	Certificate No	Validity	Calibration By
Weight Set	As Per Inst.	PDCA-WS-07	NCE-WS-297-23-24	10 May 2026	NCE

Calibration Procedure: The Calibration had been performed in accordance with calibration procedures PDCA-QP/5.4/01.WI
-02 (Procedure based on OIML R-76-1).

Conclusion(s) : For the status of measurements please refer to the guidance notes.

Guidance Notes

- Status A** The measurements is within tolerance, due allowances having been made for the uncertainty of the measurement.
- Status B** The measurements may be out of tolerance, due allowances having been made for the uncertainty of the measurement.
- Status C** The Measurement is out of tolerance, due allowances having been made for the uncertainty of the measurement.
- Status D** No Conclusion can be drawn because the standard(s) do(es) not specify a tolerance for this measurement.

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OBSERVATIONS

Parameter: Accuracy Test						
Sl. No.	Standard Value (kg)	UUC Value (kg)	Error (kg)	Tolerance (% of rdg)	Status (A, B, C, D)	Uncertainty (kg) ±
1	5	5.00	00	±0.5	A	0.0019
2	10	10.00	00	±0.5	A	
3	12	12.00	00	±0.5	A	
4	15	14.999	-0.001	±0.5	A	
5	18	17.999	-0.001	±0.5	A	

Parameter: Zero Test				
Sl. No.	UUC Value (kg)	Standard Value (kg)	Error (kg)	Remarks
1	0	0.00	0.00	Good
Result (Ok/ Not Okay):		Ok		

Parameter: Return to Zero Test				
Sl. No.	Process	Standard Value (kg)	UUC Value (kg)	Remarks
1	No Load	0	0.00	Good
2	Nearly Full Load	18	18.00	
3	After 10 minutes	18	18.00	
4	Unload Weight	0	0.00	
Result (ok/ Not Okay):		Ok		

Parameter: Sensitivity Test					
Sl. No.	Process	Standard Value (kg)	UUC Value (kg)	Difference (Kg)	Remarks
1	Load Minimum WT	0.5	0.50	1.00	-
2	Add Addit. Master WT	1.5	1.50		
3	Load Nearly ½ Capacity	9	9.00		
4	Add Addit Master WT	10	10.00		
5	Load Nearly Full Capacity	18	18.00		
6	Add Addit. Master WT	19	19.00		
Average= 1.00 kg					
Sensitivity= (Actual value of addl wt/indicated difference) × L.C = 0.10 g					

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E-Mail: info@pdca-intl.com, Contact No: +8801711481269

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Parameter: Eccentricity Test								
Sl. No.	Standard Value (Kg)		UUC Value (Kg)					Remarks
			Left	Front	Center	Rear	Right	
1	1/5	10	10.00	10.00	10.00	10.00	10.00	
2			10.00	10.00	10.00	10.00	10.00	
3			10.00	10.00	10.00	10.00	10.00	
Average Value			10.00	10.00	10.00	10.00	10.00	
Result (Max-Min)			0.00					

Parameter: Repeatability Test						
STD Value (Kg)	UUC Value (Kg)					Standard Deviation
	01	02	03	04	05	
5	5.00	5.00	5.00	5.00	5.00	0.00
10	10.00	10.00	10.00	10.00	10.00	0.00
15	15.00	15.00	15.00	15.00	15.00	0.00

Zero Test : Ok
Return to Zero Test : Ok
Sensitivity of the U.U.C. : 0.10 g
Eccentricity Test : 0.00 Kg

Notes:

1. The values mentioned above are the mean readings.
2. The suggested due date & calibration point(s) are as per the customer's request.
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Calibrated By



Approved By



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E-Mail: info@pdca-intl.com, Contact No: +8801711481269

Website: www.pdca-intl.com



Calibration Certificate

Instrument: Digital Weight Scale

Certificate No: 25005014002

1.1. Service Request No

: PDCA-CAL/25/SC/123

1.2. Issued to

: SHANS CORPORATION

Holding No.1348, Sadhapur Bakultola, Nama Genda
Nagorkonda-1216, Savar, Dhaka, Bangladesh.

1.3. Date of calibration

: 27-05-2025

1.4. Date of Issue

: 28-05-2025

1.5. Next Calibration Due Date

: 26-05-2026

1.6. Calibration done at

: Onsite ☒ In House ☐

1.7. Environmental condition during calibration

: Temperature 32.4°C

: Humidity 58.9%

DETAILS OF UNIT UNDER CALIBRATION

Make	Model	Range	Location	Sl. No.	ID No.
LG Butterfly	N/F	0-20 Kg	Finishing	01	SC/2025-DWS-002

DETAILS OF STANDARD EQUIPMENTS USED FOR CALIBRATION

Description	Make	ID. No	Certificate No	Validity	Calibration By
Weight Set	As Per Inst.	PDCA-WS-07	NCE-WS-297-23-24	10 May 2026	NCE

Calibration Procedure: The Calibration had been performed in accordance with calibration procedures PDCA-QP/5.4/01.WI
-02 (Procedure based on OIML R-76-1).

Conclusion(s) : For the status of measurements please refer to the guidance notes.

Guidance Notes

- Status A** The measurements is within tolerance, due allowances having been made for the uncertainty of the measurement.
- Status B** The measurements may be out of tolerance, due allowances having been made for the uncertainty of the measurement.
- Status C** The Measurement is out of tolerance, due allowances having been made for the uncertainty of the measurement.
- Status D** No Conclusion can be drawn because the standard(s) do(es) not specify a tolerance for this measurement.

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OBSERVATIONS

Parameter: Accuracy Test						
Sl. No.	Standard Value (kg)	UUC Value (kg)	Error (kg)	Tolerance (% of rdg)	Status (A, B, C, D)	Uncertainty (kg) ±
1	5	5.00	00	±0.5	A	0.0012
2	10	10.00	00	±0.5	A	
3	12	12.00	00	±0.5	A	
4	15	15.00	00	±0.5	A	
5	18	17.999	-0.001	±0.5	A	

Parameter: Zero Test				
Sl. No.	UUC Value (kg)	Standard Value (kg)	Error (kg)	Remarks
1	0	0.00	0.00	Good
Result (Ok/ Not Okay):		Ok		

Parameter: Return to Zero Test				
Sl. No.	Process	Standard Value (kg)	UUC Value (kg)	Remarks
1	No Load	0	0.00	Good
2	Nearly Full Load	17	17.00	
3	After 10 minutes	17	17.00	
4	Unload Weight	0	0.00	
Result (ok/ Not Okay):		Ok		

Parameter: Sensitivity Test					
Sl. No.	Process	Standard Value (kg)	UUC Value (kg)	Difference (Kg)	Remarks
1	Load Minimum WT	0.5	0.50	1.00	-
2	Add Addit. Master WT	1.5	1.50		
3	Load Nearly $\frac{1}{2}$ Capacity	9	9.00		
4	Add Addit Master WT	10	10.00		
5	Load Nearly Full Capacity	18	18.00		
6	Add Addit. Master WT	19	19.00		
Average= 1.00 kg					
Sensitivity= (Actual value of addl wt/indicated difference) $\times$ L.C = 0.10 g					

Calibrated By



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Website: www.pdca-intl.com



Parameter: Eccentricity Test								
Sl. No.	Standard Value (Kg)		UUC Value (Kg)					Remarks
			Left	Front	Center	Rear	Right	
1	1/5	12	12.00	12.00	12.00	12.00	12.00	
2			12.00	12.00	12.00	12.00	12.00	
3			12.00	12.00	12.00	12.00	12.00	
Average Value			12.00	12.00	12.00	12.00	12.00	
Result (Max-Min)			0.00					

Parameter: Repeatability Test						
STD Value (Kg)	UUC Value (Kg)					Standard Deviation
	01	02	03	04	05	
5	5.00	5.00	5.00	5.00	5.00	0.00
10	10.00	10.00	10.00	10.00	10.00	0.00
12	12.00	12.00	12.00	12.00	12.00	0.00

Zero Test : Ok
Return to Zero Test : Ok
Sensitivity of the U.U.C. : 0.10 g
Eccentricity Test : 0.00 Kg

Notes:

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Approved By



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E-Mail: info@pdca-intl.com, Contact No: +8801711481269

Website: www.pdca-intl.com



Calibration Certificate

Instrument: Digital Weight Scale

Certificate No: 25005014003

1.1. Service Request No

: PDCA-CAL/25/SC/123

1.2. Issued to

: SHANS CORPORATION

Holding No.1348, Sadhapur Bakultola, Nama Genda
Nagorkonda-1216, Savar, Dhaka, Bangladesh.

1.3. Date of calibration

: 27-05-2025

1.4. Date of Issue

: 28-05-2025

1.5. Next Calibration Due Date

: 26-05-2026

1.6. Calibration done at

: Onsite ☒ In House ☐

1.7. Environmental condition during calibration

: Temperature 32.4°C

: Humidity 58.9%

DETAILS OF UNIT UNDER CALIBRATION

Make	Model	Range	Location	Sl. No.	ID No.
LG Supper	N/F	0-200 Kg	Production Floor	01	SC/2025-DWS-003

DETAILS OF STANDARD EQUIPMENTS USED FOR CALIBRATION

Description	Make	ID. No	Certificate No	Validity	Calibration By
Weight Set	As Per Inst.	PDCA-WS-07	NCE-WS-297-23-24	10 May 2026	NCE

Calibration Procedure: The Calibration had been performed in accordance with calibration procedures PDCA-QP/5.4/01.WI
-02 (Procedure based on OIML R-76-1).

Conclusion(s) : For the status of measurements please refer to the guidance notes.

Guidance Notes

Status A The measurements is within tolerance, due allowances having been made for the uncertainty of the measurement.

Status B The measurements may be out of tolerance, due allowances having been made for the uncertainty of the measurement.

Status C The Measurement is out of tolerance, due allowances having been made for the uncertainty of the measurement.

Status D No Conclusion can be drawn because the standard(s) do(es) not specify a tolerance for this measurement.

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Website: www.pdca-intl.com



OBSERVATIONS

Parameter: Accuracy Test

Sl. No.	Standard Value (kg)	UUC Value (kg)	Error (kg)	Tolerance (% f rdg)	Status (A, B, C, D)	Uncertainty (kg) ±
1	15	15.00	0	±0.5	A	0.0029
2	20	20.00	0	±0.5	A	
3	25	25.00	0	±0.5	A	
4	30	29.999	-0.001	±0.5	A	
5	35	34.998	-0.002	±0.5	A	

Parameter: Zero Test

Sl. No.	UUC Value (kg)	Standard Value (kg)	Error (kg)	Remarks
1	0	0.00	0.00	Good
Result (ok/ Not Okay):		Ok		

Parameter: Return to Zero Test

Sl. No.	Process	Standard Value (kg)	UUC Value (kg)	Remarks
1	No Load	0	0.00	Good
2	Nearly Full Load	195	195.00	
3	After 10 minutes	195	195.001	
4	Unload Weight	0	0.00	
Result (ok/ Not Okay):		Ok		

Parameter: Sensitivity Test

Sl. No.	Process	Standard Value (kg)	UUC Value (kg)	Difference (Kg)	Remarks
1	Load Minimum WT	1.00	1.00	1.00	-
2	Add Addit. Master WT	2.00	2.00		
3	Load Nearly ½ Capacity	97	97.00		
4	Add Addit Master WT	98	98.00		
5	Load Nearly Full Capacity	195	195.00		
6	Add Addit. Master WT	196	196.00		
Average= 1.00 kg					
Sensitivity= (Actual value of addl wt/indicated difference) × L.C = 20 g					

Calibrated By



Approved By



PDCA International Ltd.

House # 20, Road # 04, Sector # 05, Uttara Model Town, Dhaka, Bangladesh

E-Mail: info@pdca-intl.com, Contact No: +8801711481269

Website: www.pdca-intl.com



Parameter: Eccentricity Test								
Sl. No.	Standard Value (Kg)		UUC Value (Kg)					Remarks
			Left	Front	Center	Rear	Right	
1	1/5	10	10.00	10.00	10.00	10.00	10.00	
2			10.00	10.00	10.00	10.00	10.00	
3			10.00	10.00	10.00	10.00	10.00	
Average Value			10.00	10.00	10.00	10.00	10.00	
Result (Max-Min)			0.00					

Parameter: Repeatability Test						
STD Value (Kg)	UUC Value (Kg)					Standard Deviation
	01	02	03	04	05	
5	5.00	5.00	5.00	5.00	5.00	0.00
12	12.00	12.00	12.00	12.00	12.00	0.00
20	20.00	20.00	20.00	20.00	20.00	0.00

Zero Test : Ok
Return to Zero Test : Ok
Sensitivity of the U.U.C. : 20 g
Eccentricity Test : 0.00 Kg

Notes:

1. The values mentioned above are the mean readings.
2. The suggested due date & calibration point(s) are as per the customer's request.
3. This certificate shall not be reproduced, except in full, without written approval of PDCA.
4. Any section marked, "N/A" means Not Applicable, "N/P" means Not Provided, "N/R" means Not Readable, "N/S" means Not Specified.

-:END:-

Calibrated By



Approved By



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E-Mail: info@pdca-intl.com, Contact No: +8801711481269

Website: www.pdca-intl.com



Calibration Certificate

Instrument: GSM Weight Scale

Certificate No: 25005014005

1.1. Service Request No

: PDCA-CAL/25/SC/123

1.2. Issued to

: SHANS CORPORATION

Holding No.1348, Sadhapur Bakultola, Nama Genda
Nagorkonda-1216, Savar, Dhaka, Bangladesh.

1.3. Date of calibration

: 27-05-2025

1.4. Date of Issue

: 28-05-2025

1.5. Next Calibration Due Date

: 26-05-2026

1.6. Calibration done at

: Onsite ☒ In House ☐

1.7. Environmental condition during calibration

: Temperature 32.4°C

: Humidity 58.9%

DETAILS OF UNIT UNDER CALIBRATION

Make	Model	Range	Location	Sl. No.	ID No.
AND	N/F	0-620 g	Office Room	02	SC/2025-GSMWS-002

DETAILS OF STANDARD EQUIPMENTS USED FOR CALIBRATION

Description	Make	ID. No	Certificate No	Validity	Calibration By
Weight Set	As Per Inst.	PDCA-WS-07	NCE-WS-297-23-24	10 May 2026	NCE

Calibration Procedure: The Calibration had been performed in accordance with calibration procedures PDCA-QP/5.4/01.WI

-02 (Procedure based on OIML R-76-1).

Conclusion(s) : For the status of measurements please refer to the guidance notes.

Guidance Notes

Status A The measurements is within tolerance, due allowances having been made for the uncertainty of the measurement.

Status B The measurements may be out of tolerance, due allowances having been made for the uncertainty of the measurement.

Status C The Measurement is out of tolerance, due allowances having been made for the uncertainty of the measurement.

Status D No Conclusion can be drawn because the standard(s) do(es) not specify a tolerance for this measurement.

Calibrated By



Approved By



PDCA International Ltd.

House # 20, Road # 04, Sector # 05, Uttara Model Town, Dhaka, Bangladesh

E-Mail: info@pdca-intl.com, Contact No: +8801711481269

Website: www.pdca-intl.com



OBSERVATIONS

Parameter: Accuracy Test						
Sl. No.	Standard Value (g)	UUC Value (g)	Error (g)	Tolerance (% of rdg)	Status (A, B, C, D)	Uncertainty (g) ±
1	50	50.00	0.00	±0.5	A	0.023
2	100	100.00	0.00	±0.5	A	
3	200	199.99	-0.01	±0.5	A	
4	300	299.99	-0.01	±0.5	A	
5	500	499.98	-0.02	±0.5	A	
6	600	599.98	-0.02	±0.5	A	

Parameter: Zero Test				
Sl. No.	UUC Value (g)	Standard Value (g)	Error (g)	Remarks
1	0	0.00	0.00	Good
Result (Ok/ Not Okay):		Ok		

Parameter: Return to Zero Test				
Sl. No.	Process	Standard Value (g)	UUC Value (g)	Remarks
1	No Load	0	0.00	Good
2	Nearly Full Load	615.00	615.00	
3	After 10 minutes	615.00	615.00	
4	Unload Weight	0	0.00	
Result (ok/ Not Okay):		Ok		

Parameter: Sensitivity Test					
Sl. No.	Process	Standard Value (g)	UUC Value (g)	Difference (g)	Remarks
1	Load Minimum WT	50	50.00	50.0	-
2	Add Addit. Master WT	100	100.00		
3	Load Nearly ½ Capacity	290	290.00		
4	Add Addit Master WT	340	340.00		
5	Load Nearly Full Capacity	500	499.99		
6	Add Addit. Master WT	550	549.99		
Average= 10.00 g					
Sensitivity= (Actual value of addl wt/indicated difference) × L.C = 0.01 g					

Calibrated By



Approved By



PDCA International Ltd.

House # 20, Road # 04, Sector # 05, Uttara Model Town, Dhaka, Bangladesh

E-Mail: info@pdca-intl.com, Contact No: +8801711481269

Website: www.pdca-intl.com



Parameter: Eccentricity Test								
Sl. No.	Standard Value (g)		UUC Value (g)					Remarks
			Left	Front	Center	Rear	Right	
1	1/5	500	500	500	500	500	500	N/A
2			500	500	500	500	500	N/A
3			500	500	500	500	500	N/A
Average Value			500	500	500	500	500	N/A
Result (Max-Min)			0.00					N/A

Parameter: Repeatability Test						
STD Value (g)	UUC Value (g)					Standard Deviation
	01	02	03	04	05	
100	100.00	100.00	100.00	100.00	100.00	0.00
200	200.00	200.00	200.00	200.00	200.00	0.00
500	500.00	500.00	500.00	500.00	500.00	0.00

Zero Test : Ok
Return to Zero Test : Ok
Sensitivity of the U.U.C. : 0.01 g
Eccentricity Test : 0.00 g

Notes:

1. The values mentioned above are the mean readings.
2. The suggested due date & calibration point(s) are as per the customer's request.
3. This certificate shall not be reproduced, except in full, without written approval of PDCA.
4. Any section marked, "N/A" means Not Applicable, "N/P" means Not Provided, "N/R" means Not Readable, "N/S" means Not Specified.

--END--

Calibrated By



Approved By



PDCA International Ltd.

House # 20, Road # 04, Sector # 05, Uttara Model Town, Dhaka, Bangladesh

E-Mail: info@pdca-intl.com, Contact No: +8801711481269

Website: www.pdca-intl.com



Calibration Certificate

Instrument: GSM Weight Scale	Certificate No: 25005014004
------------------------------	-----------------------------

1.1. Service Request No	: PDCA-CAL/25/SC/123
1.2. Issued to	: SHANS CORPORATION Holding No.1348, Sadhapur Bakultola, Nama Genda Nagorkonda-1216, Savar, Dhaka, Bangladesh.
1.3. Date of calibration	: 27-05-2025
1.4. Date of Issue	: 28-05-2025
1.5. Next Calibration Due Date	: 26-05-2026
1.6. Calibration done at	: Onsite ☒ In House ☐
1.7. Environmental condition during calibration	: Temperature 32.4°C : Humidity 58.9%

DETAILS OF UNIT UNDER CALIBRATION

Make	Model	Range	Location	Sl. No.	ID No.
CONSTANT	14192-46B	0-5000 g	Office Room	02	SC/2025-GSMWS-001

DETAILS OF STANDARD EQUIPMENTS USED FOR CALIBRATION

Description	Make	ID. No	Certificate No	Validity	Calibration By
Weight Set	As Per Inst.	PDCA-WS-07	NCE-WS-297-23-24	10 May 2026	NCE

Calibration Procedure: The Calibration had been performed in accordance with calibration procedures PDCA-QP/5.4/01.WI-02 (Procedure based on OIML R-76-1).

Conclusion(s) : For the status of measurements please refer to the guidance notes.

Guidance Notes

- Status A** The measurements is within tolerance, due allowances having been made for the uncertainty of the measurement.
- Status B** The measurements may be out of tolerance, due allowances having been made for the uncertainty of the measurement.
- Status C** The Measurement is out of tolerance, due allowances having been made for the uncertainty of the measurement.
- Status D** No Conclusion can be drawn because the standard(s) do(es) not specify a tolerance for this measurement.

Calibrated By



Approved By



PDCA International Ltd.

House # 20, Road # 04, Sector # 05, Uttara Model Town, Dhaka, Bangladesh

E-Mail: info@pdca-intl.com, Contact No: +8801711481269

Website: www.pdca-intl.com



OBSERVATIONS

Parameter: Accuracy Test						
Sl. No.	UUC Value (g)	Standard Value (g)	Error (g)	Tolerance (% of rdg)	Status (A, B, C, D)	Uncertainty (g) ±
1	5	5.00	00	±0.5	A	0.03
2	10	10.00	00	±0.5	A	
3	20	20.00	00	±0.5	A	
4	400	400.00	00	±0.5	A	
5	500	500.00	00	±0.5	A	
6	2000	1999.9998	-0.002	±0.5	A	

Parameter: Zero Test				
Sl. No.	UUC Value (g)	Standard Value (g)	Error (g)	Remarks
1	0	0.00	0.00	Good
Result (ok/ Not Okay):		Ok		

Parameter: Return to Zero Test				
Sl. No.	Process	Standard Value (g)	UUC Value (g)	Remarks
1	No Load	0	0.00	Good
2	Nearly Full Load	4995.00	4995.00	
3	After 10 minutes	4995.00	4995.00	
4	Unload Weight	0	0.00	
Result (ok/ Not Okay):		Ok		

Parameter: Sensitivity Test					
Sl. No.	Process	Standard Value (g)	UUC Value (g)	Difference (g)	Remarks
1	Load Minimum WT	2	2.00	10.0	-
2	Add Addit. Master WT	12	12.00		
3	Load Nearly ½ Capacity	2490	2490.00		
4	Add Addit Master WT	2500	2500.00		
5	Load Nearly Full Capacity	4980	4980.00		
6	Add Addit. Master WT	4990	4990.00		
Average= 10.00 g					
Sensitivity= (Actual value of addl wt/indicated difference) × L.C = 0.01 g					

Calibrated By



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PDCA International Ltd.

House # 20, Road # 04, Sector # 05, Uttara Model Town, Dhaka, Bangladesh

E-Mail: info@pdca-intl.com, Contact No: +8801711481269

Website: www.pdca-intl.com



Parameter: Eccentricity Test								
Sl. No.	Standard Value (g)		UUC Value (g)					Remarks
			Left	Front	Center	Rear	Right	
1	1/5	500	500.00	500.00	500.00	500.00	500.00	
2			500.00	500.00	500.00	500.00	500.00	
3			500.00	500.00	500.00	500.00	500.00	
Average Value			500.00	500.00	500.00	500.00	500.00	
Result (Max-Min)			0.00					

Parameter: Repeatability Test						
STD Value (g)	UUC Value (g)					Standard Deviation
	01	02	03	04	05	
500	500.00	500.00	500.00	500.00	500.00	0.00
2000	2000.00	2000.00	2000.00	2000.00	2000.00	0.00
4000	4000.00	4000.00	4000.00	4000.00	4000.00	0.00

Zero Test : Ok
Return to Zero Test : Ok
Sensitivity of the U.U.C. : 0.01 g
Eccentricity Test : 0.00 g

Notes:

1. The values mentioned above are the mean readings.
2. The suggested due date & calibration point(s) are as per the customer's request.
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4. Any section marked, "N/A" means Not Applicable, "N/P" means Not Provided, "N/R" means Not Readable, "N/S" means Not Specified.

--END--

Calibrated By



Approved By



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House # 20, Road # 04, Sector # 05, Uttara Model Town, Dhaka, Bangladesh

E-Mail: info@pdca-intl.com, Contact No: +8801711481269

Website: www.pdca-intl.com



Calibration Certificate

Instrument: Pipette

Certificate No: 25005014006

1.1. Service Request No

: PDCA-CAL/25/SC/123

1.2. Issued to

: SHANS CORPORATION

Holding No.1348, Sadhapur Bakultola, Nama Genda
Nagorkonda-1216, Savar, Dhaka, Bangladesh.

1.3. Date of calibration

: 27-05-2025

1.4. Date of Issue

: 28-05-2025

1.5. Next Calibration Due Date

: 26-05-2026

1.6. Calibration done at

: Onsite ☒ In House ☐

1.7. Environmental condition during calibration

: Temperature 32.4°C

: Humidity 58.9%

DETAILS OF UNIT UNDER CALIBRATION

Make	Model	Range (ml)	Location	Sl. No.	ID No.
PYREX	N/F	0-25	Lab Room	03	SC/2025-P-001

DETAILS OF STANDARD EQUIPMENTS USED FOR CALIBRATION

Description	Make	ID. No	Certificate No	Validity	Calibration By
Pipette	As Per Inst.	PDCA-P-07	NCE-WS-297-23-24	10 May 2026	NCE

Calibration Procedure: The Calibration had been performed in accordance with calibration procedures PDCA-QP/ 5.4/01.15
(Comparison Method).

Conclusion(s) : For the status of measurements please refer to the guidance notes.

Guidance Notes

- Status A** The measurements is within tolerance, due allowances having been made for the uncertainty of the measurement.
- Status B** The measurements may be out of tolerance, due allowances having been made for the uncertainty of the measurement.
- Status C** The Measurement is out of tolerance, due allowances having been made for the uncertainty of the measurement.
- Status D** No Conclusion can be drawn because the standard(s) do(es) not specify a tolerance for this measurement.

Calibrated By



Approved By



PDCA International Ltd.

House # 20, Road # 04, Sector # 05, Uttara Model Town, Dhaka, Bangladesh

E-Mail: info@pdca-intl.com, Contact No: +8801711481269

Website: www.pdca-intl.com



OBSERVATIONS

Parameter: Length (Calibration Done at points 2, 5, 10, 20, 25 (ml))						
Sl. No.	UUC Value (ml)	Standard Value (ml)	Error (ml)	Tolerance (ml)	Status (A, B, C, D)	Uncertainty (ml) ±
1	2	2.00	00	± 0.5	A	0.0012
2	5	5.00	00	± 0.5	A	
3	10	10.00	00	± 0.5	A	
4	20	19.998	-0.002	± 0.5	A	
5	25	24.997	-0.003	± 0.5	A	

Notes:

1. The values mentioned above are the mean readings.
2. The suggested due date & calibration point(s) are as per the customer's request.
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4. Any section marked, "N/A" means Not Applicable, "N/P" means Not Provided, "N/R" means Not Readable, "N/S" means Not Specified.

-:END:-

Calibrated By



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House # 20, Road # 04, Sector # 05, Uttara Model Town, Dhaka, Bangladesh

E-Mail: info@pdca-intl.com, Contact No: +8801711481269

Website: www.pdca-intl.com



Calibration Certificate

Instrument: Pipette

Certificate No: 25005014007

1.1. Service Request No

: PDCA-CAL/25/SC/123

1.2. Issued to

: SHANS CORPORATION

Holding No.1348, Sadhapur Bakultola, Nama Genda
Nagorkonda-1216, Savar, Dhaka, Bangladesh.

1.3. Date of calibration

: 27-05-2025

1.4. Date of Issue

: 28-05-2025

1.5. Next Calibration Due Date

: 26-05-2026

1.6. Calibration done at

: Onsite ☒ In House ☐

1.7. Environmental condition during calibration

: Temperature 32.4°C

: Humidity 58.9%

DETAILS OF UNIT UNDER CALIBRATION

Make	Model	Range (ml)	Location	Sl. No.	ID No.
HBG Germany	N/F	0-05	Lab Room	03	SC/2025-P-002

DETAILS OF STANDARD EQUIPMENTS USED FOR CALIBRATION

Description	Make	ID. No	Certificate No	Validity	Calibration By
Pipette	As Per Inst.	PDCA-P-07	NCE-WS-297-23-24	10 May 2026	NCE

Calibration Procedure: The Calibration had been performed in accordance with calibration procedures PDCA-QP/ 5.4/01.15
(Comparison Method).

Conclusion(s) : For the status of measurements please refer to the guidance notes.

Guidance Notes

- Status A** The measurements is within tolerance, due allowances having been made for the uncertainty of the measurement.
- Status B** The measurements may be out of tolerance, due allowances having been made for the uncertainty of the measurement.
- Status C** The Measurement is out of tolerance, due allowances having been made for the uncertainty of the measurement.
- Status D** No Conclusion can be drawn because the standard(s) do(es) not specify a tolerance for this measurement.

Calibrated By



Approved By



PDCA International Ltd.

House # 20, Road # 04, Sector # 05, Uttara Model Town, Dhaka, Bangladesh

E-Mail: info@pdca-intl.com, Contact No: +8801711481269

Website: www.pdca-intl.com



OBSERVATIONS

Parameter: Length (Calibration Done at points 1, 2, 3, 4, 5 (ml))						
Sl. No.	UUC Value (ml)	Standard Value (ml)	Error (ml)	Tolerance (ml)	Status (A, B, C, D)	Uncertainty (ml) ±
1	1	1.00	00	± 0.5	A	0.0001
2	2	2.00	00	± 0.5	A	
3	3	3.00	00	± 0.5	A	
4	4	4.00	00	± 0.5	A	
5	5	4.99999	-0.00001	± 0.5	A	

Notes:

1. The values mentioned above are the mean readings.
2. The suggested due date & calibration point(s) are as per the customer's request.
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4. Any section marked, "N/A" means Not Applicable, "N/P" means Not Provided, "N/R" means Not Readable, "N/S" means Not Specified.

-:END:-

Calibrated By



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E-Mail: info@pdca-intl.com, Contact No: +8801711481269

Website: www.pdca-intl.com



Calibration Certificate

Instrument: Pipette

Certificate No: 25005014008

1.1. Service Request No : PDCA-CAL/25/SC/123
1.2. Issued to : SHANS CORPORATION
Holding No.1348, Sadhapur Bakultola, Nama Genda
Nagorkonda-1216, Savar, Dhaka, Bangladesh.
1.3. Date of calibration : 27-05-2025
1.4. Date of Issue : 28-05-2025
1.5. Next Calibration Due Date : 26-05-2026
1.6. Calibration done at : Onsite ☒ In House ☐
1.7. Environmental condition during calibration : Temperature 32.4°C
: Humidity 58.9%

DETAILS OF UNIT UNDER CALIBRATION

Make	Model	Range (ml)	Location	Sl. No.	ID No.
HBG Germany	N/F	0-05	Lab Room	03	SC/2025-P-003

DETAILS OF STANDARD EQUIPMENTS USED FOR CALIBRATION

Description	Make	ID. No	Certificate No	Validity	Calibration By
Pipette	As Per Inst.	PDCA-P-07	NCE-WS-297-23-24	10 May 2026	NCE

Calibration Procedure: The Calibration had been performed in accordance with calibration procedures PDCA-QP/ 5.4/01.15
(Comparison Method).

Conclusion(s) : For the status of measurements please refer to the guidance notes.

Guidance Notes

- Status A** The measurements is within tolerance, due allowances having been made for the uncertainty of the measurement.
- Status B** The measurements may be out of tolerance, due allowances having been made for the uncertainty of the measurement.
- Status C** The Measurement is out of tolerance, due allowances having been made for the uncertainty of the measurement.
- Status D** No Conclusion can be drawn because the standard(s) do(es) not specify a tolerance for this measurement.

Calibrated By



Approved By



PDCA International Ltd.

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E-Mail: info@pdca-intl.com, Contact No: +8801711481269

Website: www.pdca-intl.com



OBSERVATIONS

Parameter: Length (Calibration Done at points 1, 2, 3, 4, 5 (ml))						
Sl. No.	UUC Value (ml)	Standard Value (ml)	Error (ml)	Tolerance (ml)	Status (A, B, C, D)	Uncertainty (ml) ±
1	1	1.00	00	± 0.5	A	0.0003
2	2	2.00	00	± 0.5	A	
3	3	3.00	00	± 0.5	A	
4	4	3.99999	-0.00001	± 0.5	A	
5	5	4.99999	-0.00001	± 0.5	A	

Notes:

1. The values mentioned above are the mean readings.
2. The suggested due date & calibration point(s) are as per the customer's request.
3. This certificate shall not be reproduced, except in full, without written approval of PDCA.
4. Any section marked, "N/A" means Not Applicable, "N/P" means Not Provided, "N/R" means Not Readable, "N/S" means Not Specified.

-:END:-

Calibrated By



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House # 20, Road # 04, Sector # 05, Uttara Model Town, Dhaka, Bangladesh

E-Mail: info@pdca-intl.com, Contact No: +8801711481269

Website: www.pdca-intl.com



Calibration Certificate

Instrument: Pipette

Certificate No: 25005014009

1.1. Service Request No

: PDCA-CAL/25/SC/123

1.2. Issued to

: SHANS CORPORATION

Holding No.1348, Sadhapur Bakultola, Nama Genda
Nagorkonda-1216, Savar, Dhaka, Bangladesh.

1.3. Date of calibration

: 27-05-2025

1.4. Date of Issue

: 28-05-2025

1.5. Next Calibration Due Date

: 26-05-2026

1.6. Calibration done at

: Onsite ☒ In House ☐

1.7. Environmental condition during calibration

: Temperature 32.4°C

: Humidity 58.9%

DETAILS OF UNIT UNDER CALIBRATION

Make	Model	Range (ml)	Location	Sl. No.	ID No.
HBG Germany	N/F	0-05	Lab Room	03	SC/2025-P-004

DETAILS OF STANDARD EQUIPMENTS USED FOR CALIBRATION

Description	Make	ID. No	Certificate No	Validity	Calibration By
Pipette	As Per Inst.	PDCA-P-07	NCE-WS-297-23-24	10 May 2026	NCE

Calibration Procedure: The Calibration had been performed in accordance with calibration procedures PDCA-QP/ 5.4/01.15
(Comparison Method).

Conclusion(s) : For the status of measurements please refer to the guidance notes.

Guidance Notes

- Status A** The measurements is within tolerance, due allowances having been made for the uncertainty of the measurement.
- Status B** The measurements may be out of tolerance, due allowances having been made for the uncertainty of the measurement.
- Status C** The Measurement is out of tolerance, due allowances having been made for the uncertainty of the measurement.
- Status D** No Conclusion can be drawn because the standard(s) do(es) not specify a tolerance for this measurement.

Calibrated By



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Website: www.pdca-intl.com



OBSERVATIONS

Parameter: Length (Calibration Done at points 1, 2, 3, 4, 5 (ml))						
Sl. No.	UUC Value (ml)	Standard Value (ml)	Error (ml)	Tolerance (ml)	Status (A, B, C, D)	Uncertainty (ml) ±
1	1	1.00	00	± 0.5	A	0.0001
2	2	2.00	00	± 0.5	A	
3	3	3.00	00	± 0.5	A	
4	4	4.00	00	± 0.5	A	
5	5	4.99999	-0.00001	± 0.5	A	

Notes:

1. The values mentioned above are the mean readings.
2. The suggested due date & calibration point(s) are as per the customer's request.
3. This certificate shall not be reproduced, except in full, without written approval of PDCA.
4. Any section marked, "N/A" means Not Applicable, "N/P" means Not Provided, "N/R" means Not Readable, "N/S" means Not Specified.

-:END:-

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Approved By



PDCA International Ltd.

House # 20, Road # 04, Sector # 05, Uttara Model Town, Dhaka, Bangladesh

E-Mail: info@pdca-intl.com, Contact No: +8801711481269

Website: www.pdca-intl.com



Calibration Certificate

Instrument: Vernier Caliper

Certificate No: 25005014010

1.1. Service Request No

: PDCA-CAL/25/SC/123

1.2. Issued to

: SHANS CORPORATION

Holding No.1348, Sadhapur Bakultola, Nama Genda
Nagorkonda-1216, Savar, Dhaka, Bangladesh.

1.3. Date of calibration

: 27-05-2025

1.4. Date of Issue

: 28-05-2025

1.5. Next Calibration Due Date

: 26-05-2026

1.6. Calibration done at

: Onsite ☒ In House ☐

1.7. Environmental condition during calibration

: Temperature 32.4°C

: Humidity 58.9%

DETAILS OF UNIT UNDER CALIBRATION

Make	Model	Range (mm)	Location	Sl. No.	ID No.
HENG LIANG	N/F	0-150	Office Room	04	SC/2025-VC-001

DETAILS OF STANDARD EQUIPMENTS USED FOR CALIBRATION

Description	Make	ID. No	Certificate No	Validity	Calibration By
Vernier Caliper	Insize	PDCA-DVC-01	NCE-DVC-3012-23-24	10 May 2026	NCE

Calibration Procedure: The Calibration had been performed in accordance with calibration procedures PDCA-QP/ 5.4/01.15
(Comparison Method).

Conclusion(s) : For the status of measurements please refer to the guidance notes.

Guidance Notes

- Status A** The measurements is within tolerance, due allowances having been made for the uncertainty of the measurement.
- Status B** The measurements may be out of tolerance, due allowances having been made for the uncertainty of the measurement.
- Status C** The Measurement is out of tolerance, due allowances having been made for the uncertainty of the measurement.
- Status D** No Conclusion can be drawn because the standard(s) do(es) not specify a tolerance for this measurement.

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OBSERVATIONS

Parameter: Length (Calibration Done at points 10, 20, 50, 100, 120 mm)						
Sl. No.	UUC Value (mm)	Standard Value (mm)	Error (mm)	Tolerance (mm)	Status (A, B, C, D)	Uncertainty (mm) ±
1	10	10.00	00	± 0.5	A	0.002
2	20	20.00	00	± 0.5	A	
3	50	50.00	00	± 0.5	A	
4	100	99.999	-0.001	± 0.5	A	
5	120	119.999	-0.001	± 0.5	A	

Notes:

1. The values mentioned above are the mean readings.
2. The suggested due date & calibration point(s) are as per the customer's request.
3. This certificate shall not be reproduced, except in full, without written approval of PDCA.
4. Any section marked, "N/A" means Not Applicable, "N/P" means Not Provided, "N/R" means Not Readable, "N/S" means Not Specified.

-:END:-

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