

**THIS IS TO CERTIFY THAT AFFRI INC. HAS CALIBRATED THE FOLLOWING  
SPEED FOR MATERIAL TESTING MACHINES IN ACCORDANCE WITH ASTM-E2658-15(2023).**

**CUSTOMER**

COMPANY: [REDACTED]  
ADDRESS: [REDACTED]  
CITY/PROVINCE: [REDACTED]

**CALIBRATION INFORMATION**

PURCHASE ORDER NUMBER: [REDACTED]  
CERTIFICATE NUMBER: [REDACTED]  
CERTIFICATE ISSUED: March 8, 2025  
CALIBRATION DATE: March 8, 2025  
REQUESTED DUE DATE: March 8, 2026  
SYSTEM LOCATION: [REDACTED]  
MANUFACTURER: [REDACTED]  
MODEL: [REDACTED]  
SERIAL NUMBER: [REDACTED]  
ASSET NUMBER: [REDACTED]  
INDICATOR RESOLUTION: Speed  
TEMPERATURE / RELATIVE HUMIDITY: 0.01 in/min  
CALIBRATION TECHNICIAN: 21.48°C/29.65%  
[REDACTED]

**CALIBRATION IS VALID FOR THE SCALE(S), ITEMS AND RESULTS SHOWN AND HAS BEEN FOUND TO BE WITHIN TOLERANCE UNLESS OTHERWISE NOTED.**

**STANDARDS USED**

FILE	SERIAL #	MFG	CAL DATE	DUE DATE	CERT BY	CERT #	CAPACITY	UNC
TH 003	S2450843/S2310657	Vaisala	02/02/24	02/02/26	Transcat	33-Q3F0N-20-1	Deg/%RH	0.5/0.14 Deg/%RH
DIM 006	0008872	Mitutoyo	10/03/24	10/03/25	Affri Inc.	AffriUS_0008872-DIM006_ASMEB89_031024	12 in	0.0014 in
Time 001	TIME 001	BizoRade	10/03/24	10/03/25	AFFRI INC	AffriUS_TIME_001_NIST960_031024	s	0.11 s

**TRACEABILITY, UNCERTAINTY AND DECISION RULE STATEMENTS**

The expanded uncertainties shown above use a confidence level of 95% and a coverage factor of  $k = 2$ . Expanded uncertainties are valid from 18°C to 28°C. ALL REFERENCE STANDARDS USED FOR VERIFICATION ARE TRACEABLE TO NIST OR ACCREDIA. Services comply with PO requirements. Affri uses a binary decision rule of pass or fail where tolerance limit equals acceptance limits without considering uncertainty. Uncertainty and measured results are provided for the user to consider their own risk.

**COMMENTS**

Preventative maintenance was performed.

This cert [REDACTED]  
The recording of false, misleading, or fraudulent statements or entries on this certificate may be punished as a felony under Federal law.

[REDACTED]



**CUSTOMER**

COMPANY: [REDACTED]

**CALIBRATION INFORMATION**

CERTIFICATE NUMBER: [REDACTED]  
 CERTIFICATE ISSUED: March 8, 2025  
 CALIBRATION DATE: March 8, 2025  
 REQUESTED DUE DATE: March 8, 2026  
 MODEL: [REDACTED]  
 SERIAL NUMBER: [REDACTED]

**AS FOUND:**

REF STD USED	DUT SPEED SETTING	DUT RESOLUTION	ACTUAL SPEED RUN #1	DIRECTION: DUT ERROR RUN #1	Compression DUT ERROR RUN #1	ASTM CLASS
	(in/min)	(in/min)	(in/min)	(in/min)	(%RD)	
TH 003 / DIM 006	0.00	0.01	0.0000	0.0000		A
	0.03	0.01	0.0299	0.0001	0.33%	A
	0.05	0.01	0.0498	0.0002	0.40%	A
	0.20	0.01	0.1996	0.0004	0.20%	A
	1.00	0.01	0.9994	0.0006	0.06%	A

Resolution (in/min)	ASTM CLASS	Overall ASTM Class
0.01	A	B

**AS LEFT:**

REF STD USED	DUT SPEED SETTING	DUT RESOLUTION	ACTUAL SPEED RUN #1	ACTUAL SPEED RUN #2	DUT ERROR RUN #1	DUT ERROR RUN #2	DUT ERROR RUN #1	DUT ERROR RUN #2	DUT REPEAT.	STD. UNCER. DUE TO REPEAT.	STD. UNCER. DUE TO CAL LAB	DIRECTION: MEASURE. UNCERT. (K=2)	Compression ASTM CLASS
	(in/min)	(in/min)	(in/min)	(in/min)	(in/min)	(in/min)	(%RD)	(%RD)	(%RD)	(%RD)	(%RD)	(%RD)	
TH 003 / DIM 006	0.00	0.01	0.0000	0.0000	0.0000	0.0000							
	0.03	0.01	0.0299	0.0298	0.0001	0.0002	0.33%	0.67%	0.33%	0.32%	0.13%	19.26%	B
	0.05	0.01	0.0498	0.0496	0.0002	0.0004	0.40%	0.80%	0.40%	0.19%	0.13%	11.56%	B
	0.20	0.01	0.1996	0.1996	0.0004	0.0004	0.20%	0.20%	0.00%	0.05%	0.13%	2.90%	A
	1.00	0.01	0.9994	0.9996	0.0006	0.0004	0.06%	0.04%	0.02%	0.01%	0.13%	0.63%	A

**COMMENTS**

Preventative maintenance was performed.





**CUSTOMER**

COMPANY: [REDACTED]

**CALIBRATION INFORMATION**

CERTIFICATE NUMBER: [REDACTED]  
 CERTIFICATE ISSUED: March 8, 2025  
 CALIBRATION DATE: March 8, 2025  
 REQUESTED DUE DATE: March 8, 2026  
 MODEL: [REDACTED]  
 SERIAL NUMBER: [REDACTED]

**AS FOUND:**

REF STD USED	DUT SPEED SETTING	DUT RESOLUTION	ACTUAL SPEED RUN #1	DUT ERROR RUN #1	DUT ERROR RUN #1	ASTM CLASS
	(in/min)	(in/min)	(in/min)	(in/min)	(%RD)	
Time 001 / DIM 006	0.00	0.01	0.0000	0.0000		A
	0.03	0.01	0.0298	0.0002	0.67%	B
	0.05	0.01	0.0500	0.0000	0.00%	A
	0.20	0.01	0.1985	0.0015	0.75%	B
	1.00	0.01	0.9965	0.0035	0.35%	A

Resolution (in/min)	ASTM CLASS
0.01	A

Overall ASTM Class
B

**AS LEFT:**

REF STD USED	DUT SPEED SETTING	DUT RESOLUTION	ACTUAL SPEED RUN #1	ACTUAL SPEED RUN #2	DUT ERROR RUN #1	DUT ERROR RUN #2	DUT ERROR RUN #1	DUT ERROR RUN #2	DUT REPEAT.	STD. UNCER. DUE TO REPEAT.	STD. UNCER. DUE TO CAL LAB	DIRECTION: MEASURE. UNCERT. (K=2)	Tension: ASTM CLASS
	(in/min)	(in/min)	(in/min)	(in/min)	(in/min)	(in/min)	(%RD)	(%RD)	(%RD)	(%RD)	(%RD)	(%RD)	
Time 001 / DIM 006	0.00	0.01	0.00	0.00	0.00	0.00							
	0.03	0.01	0.0298	0.0298	0.0002	0.0002	0.67%	0.67%	0.00%	0.61%	0.13%	19.29%	B
	0.05	0.01	0.0500	0.0500	0.0000	0.0000	0.00%	0.00%	0.00%	0.37%	0.13%	11.57%	A
	0.20	0.01	0.1985	0.1988	0.0015	0.0012	0.75%	0.60%	0.15%	0.09%	0.13%	2.90%	B
	1.00	0.01	0.9965	0.9970	0.0035	0.0030	0.35%	0.30%	0.05%	0.02%	0.13%	0.63%	A

**COMMENTS**

Preventative maintenance was performed.

