

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

CUSTOMER

COMPANY:
ADDRESS:
CITY/PROVINCE:

CALIBRATION INFORMATION

PURCHASE ORDER NUMBER
CERTIFICATE NUMBER:
CERTIFICATE ISSUED:
CALIBRATION DATE:
REQUESTED DUE DATE:
SYSTEM LOCATION:
MANUFACTURER:
MODEL:
SERIAL NUMBER:
ASSET NUMBER:
LOAD CELL/TRANSDUCER:
INDICATOR RESOLUTION:
TEMPERATURE / RELATIVE HUMIDITY:
CALIBRATION TECHNICIAN:

NG-37011-1
#NG May 23, 2024
May 23, 2024
May 23, 2025
QC Lab
Nextgen
EML 105D
N/A
N/A
Speed Encoder
0.0001 mm/min
21.17°C/57.59%
Saverio Amerato

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 007	190390542	Shars	02/05/22	02/05/24	Mitutoyo	10056639	40 in	0.00106 in
Time 001	TIME 001	BizoeRade	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.

CALIBRATED BY

CUSTOMER

COMPANY: [REDACTED]

CALIBRATION INFORMATION

CERTIFICATE NUMBER: #NGU-5 [REDACTED] 3_052324
 CERTIFICATE ISSUED: May 23, 2024
 CALIBRATION DATE: May 23, 2024
 REQUESTED DUE DATE: May 23, 2025
 MODEL: EML 105D
 SERIAL NUMBER: NC [REDACTED]
 LOAD CELL/TRANSDUCER: Speed Encoder

AS FOUND:

REF STD USED	DUT SPEED SETTING	DUT RESOLUTION	ACTUAL SPEED RUN #1	DUT ERROR RUN #1	DUT ERROR RUN #1
DIM 007 / Time 001	(in/min)	(in/min)	(in/min)	(in/min)	(%RD)
	2.0000	0.0010	1.9886	0.0114	0.57%
	5.0000	0.0010	4.9751	0.0249	0.50%

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	MEASURE. UNCERT. (K=2)
DIM 007 / Time 001	(in/min)	(in/min)	(in/min)	(in/min)	(in/min)	(in/min)	(%RD)	(%RD)	(%RD)	(%RD)	(%RD)	(%RD)
	2.0000	0.0010	1.9886	1.9937	0.0114	0.0063	0.57%	0.31%	0.26%	0.09%	0.13%	0.31%
	5.0000	0.0010	4.9751	4.9737	0.0249	0.0263	0.50%	0.53%	0.03%	0.04%	0.13%	0.26%

COMMENTS

Preventative maintenance was performed.

[REDACTED]