

Certificate of Calibration

**THIS IS TO CERTIFY THAT THE DISPLACEMENT SPEED OF THE FOLLOWING TESTING MACHINE HAS BEEN CALIBRATED IN ACCORDANCE WITH
ASTM-E2658-XX AND UTS SOP-9180-Rev XX-XXXX.**

CALIBRATION IS VALID FOR 5.000, 10.00 mm/min AND HAS BEEN FOUND TO BE
WITHIN 1% OF READING UNLESS OTHERWISE NOTED.

MACHINE CLASSIFICATION: B

CERTIFICATE NUMBER: CR#0009
CERTIFICATE ISSUED: June 5, 2019

CALIBRATION DATE: June 5, 2019
REQUESTED DUE DATE: June 5, 2020

CALIBRATION & CUSTOMER INFORMATION:

COMPANY:	ANY COMPANY
ADDRESS:	123 ANY STREET
CITY/PROVINCE:	ANY CITY, ANY PROVINCE
SYSTEM LOCATION:	Q.C. LAB
SYSTEM CALIBRATED:	UNITED STM-50KN
SERIAL NUMBER:	XXXXX
ASSET NUMBER(S):	N / A
DIRECTION:	TENSION
CALIBRATION RANGE(S):	5.000, 10.00 mm/min
INDICATOR:	UNITED USB CONTROLLER S/N XXXX
TEMPERATURE / HUMIDITY:	22.5 °C 43%
METHOD:	FOLLOW THE SPEED
SYSTEM CONDITION:	GOOD
READINGS AS FOUND:	IN TOLERANCE
READINGS AS LEFT:	IN TOLERANCE
CALIBRATION TECHNICIAN:	TECHNICIAN

THE FOLLOWING N.I.S.T. TRACEABLE STANDARDS WERE USED:

	LINEAR	TIME	ENVIRONMENT
	CALIBRATOR	STANDARD	RECORDER
STANDARD FILE:	LINEAR 3	TIME 2	TEMP-8
MANUFACTURER:	MITUTOYO	INTERTAN	LASCAR
MODEL:	500-173	63-5017	EL-USB-2-LCD+
STANDARD S/N:	0015523-022	04A04-196	TH20123-284
DATE DUE:	Month Day, Year	Month Day, Year	Month Day, Year
TRACEABILITY NO.:	465497	CR#20892	AC15031314-3
CERTIFIED BY:	ULRICH	UTS CAN LTD LAB	ALPHA
EXPANDED UNCERTAINTY:	± 0.0010 in	± 0.2 Sec	0.33 °C / 1.4 %RH

UNCERTAINTY:

THE EXPANDED UNCERTAINTIES SHOWN ABOVE USE A COVERAGE FACTOR OF $k = 2$ FOR A
CONFIDENCE LEVEL OF 95%.

EXPANDED UNCERTAINTIES ARE VALID FOR A TEMPERATURE RANGE OF 23°C +/- 5°C.

CALIBRATED BY

AUTHORIZED SIGNATORY

United Testing Systems Canada Limited

21 - 225 Bradwick Drive, Concord, Ontario L4K 1K7

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E-mail: service@utscanada.com

ISO/IEC 17025

ANSI/NCSL Z540-1-1994; Part 1

Accredited by:

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NVLAP Lab Code: 200311-0

Calibration Report

CERTIFICATE NUMBER: CR#0009
CERTIFICATE ISSUED: June 5, 2019

CALIBRATION DATE: June 5, 2019
REQUESTED DUE DATE: June 5, 2020

CALIBRATION & CUSTOMER INFORMATION:

COMPANY: ANY COMPANY
SYSTEM CALIBRATED: UNITED STM-50KN

CALIBRATION RESULTS:

OBSERVED DATA: NOTE THAT MULTIPLE RUNS ARE SHOWN SERIALLY. UNLESS OTHERWISE NOTED, THE DATA SHOWN IS 'AS FOUND / AS LEFT' WITH NO ADJUSTMENT MADE.

SET SPEED (mm/min)	ELAPSED TIME (s)	SYSTEM DISPLACEMENT (mm)	ACTUAL SPEED (mm/min)	ERROR % READING	REPEAT %	Un % (K=2)
FIRST RUN / COMPRESSION						
5.000	120.08	10.01	5.002	0.033	N/A	0.34
10.00	120.64	20.08	9.987	-0.133	N/A	0.21
SECOND RUN / COMPRESSION						
5.000	120.14	10.00	4.994	-0.117	0.150	0.34
10.00	120.32	20.03	9.988	-0.116	0.016	0.21
FIRST RUN / TENSION						
5.000	120.34	10.05	5.011	0.216	N/A	0.40
10.00	120.23	20.04	10.001	0.008	N/A	0.34
SECOND RUN / TENSION						
5.000	120.06	10.00	4.998	-0.050	0.266	0.40
10.00	120.27	20.10	10.027	0.274	0.266	0.34

NOTES: SPEED WAS CHECKED UNDER A NO LOAD CONDITION.

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