



REPORT OF CALIBRATION

NIST Test No: 683/282295-12

April 24, 2012

For: Finish Line Road Race Technicians, Inc.
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130 Shore Road
Suite 127
Port Washington, NY 11050

Item: 100 m Steel Tape

NIST Tape ID No. 19096M

The tape was supported on a horizontal flat surface during calibration. The tension applied to the tape during calibration is specified in the table included in this report. The measured intervals were compared with a wavelength-corrected laser interferometer whose light source realizes a vacuum wavelength traceable to the definition of the SI meter.

The terminal points of each measured interval are the centers of the graduations at the edge of the tape where the shortest graduations appear. The measured lengths at 20 °C (68 °F) between the terminal points of the indicated intervals are shown in the table. The unit of length is the meter.

The measurement uncertainty was evaluated following NIST Technical Note 1297, *Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Results*, which is considered to be part of this Report. The expanded uncertainty U is calculated using a coverage factor $k = 2$. For a measured value of length, L , the true length is contained in the interval $[L-U, L+U]$ with a level of confidence of approximately 95 %.

Tension (kg)	Interval (meters)	Length (meters)	Uncertainty (meters)
10	0 to 10	10.00140	0.00010
10	0 to 20	20.00249	0.00011
10	0 to 30	30.00379	0.00011
10	0 to 40	40.00534	0.00011
10	0 to 50	50.00661	0.00015
10	0 to 60	60.00780	0.00016
10	0 to 70	70.00912	0.00016
10	0 to 80	80.01046	0.00017