

# Channel Supplies



**Kerrville, Texas**

*NIST Traceable Calibrations Since 1996*

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## REPORT OF CALIBRATION

**CUSTOMER:** EXAMPLE

**TYPE OF TAPE:** Lufkin CN1294SF590 - 66'

**PLUMB BOB:** 590G

**Date of Calibration:**

**Calibration Valid Through:**

**Date Report Issued:**

**SERIAL No.:** CSXXXXX

### TEST DATA

| <u>Tension</u><br>(pounds) | <u>Interval</u><br>(feet) | <u>Length</u><br>(feet) | <u>Uncertainty</u><br>(feet) |
|----------------------------|---------------------------|-------------------------|------------------------------|
| 10                         | 0 to 15                   | 15.0010                 | 0.0003                       |
| 10                         | 0 to 30                   | 29.9990                 | 0.0004                       |
| 10                         | 0 to 45                   | 44.9989                 | 0.0005                       |
| 10                         | 0 to 60                   | 59.9994                 | 0.0006                       |
| 10                         | 0 to 66                   | 65.9981                 | 0.0006                       |

The uncertainty of the measurements was calculated according to NIST Technical Note 1297, "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Results".

The expanded uncertainty, U, uses a coverage factor of k=2. For a measured value of the length, L, the true length is contained in the interval [L-U,L+U] with a level of confidence of approximately 95%

**Environmental Conditions:** Verified under normal atmospheric working conditions.

**NIST Traceable Information:** Channel Supplies Master NIST Tape

ID No.16067, 16067M. Issued August 09, 2010 NIST Test No: 821/279855-10

**The assumed coefficient of thermal expansion of this tape is:** 0.0000065 °F<sup>-1</sup>

The terminal points of the indicated intervals are the centers of the graduations near the edge where the shortest graduations appear.

**Tape Length Calculation:** Method of calculation based on API Chapter 3 Section 1A, NIST SOP No. 12

**Calibration Procedure:** Channel Supplies Tape Calibration Procedure, which is based on

API Chapter 3 Section 1A, NIST (SOP 11,12, 30), OIML R 35-1

At the time the test was performed on the Tape and Plumb Bob Identified above, all components were in working order.

Improper use, handling and maintenance can damage the Tape and Plumb Bob and alter the accuracy of the results obtained.

Channel Supplies cannot be held responsible for the use or results obtained from the use of this Tape and Plumb Bob after it has been released from our custody.

**Measurements By:** EXAMPLE

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