

# REPORT OF CALIBRATION

ISSUED BY

## Channel Supplies

P.O. Box 291385 Kerrville, TX 78029  
Ph: (830) 792-5538 Fax: (830) 792-5543

CUSTOMER:  
TYPE OF TAPE:  
PLUMB BOB:



DATE VERIFIED:  
SERIAL No.:

*Recommended Recalibration Date:*

This certificate was issued by "Channel Supplies". This Tape and Plumb Bob were verified using equipment that is traceable to the National Institute of Standards and Technology (NIST). This certificate is valid only for the comparison of this Tape and Plumb Bob to our Master NIST Certified Tape. NIST # 15927, 15927M

### TEST DATA

<u>Tension</u> (Pounds)	<u>Interval</u> (Feet)	<u>Length</u> (Feet)	<u>Uncertainty</u> (Feet)
10	0' to 15'	15.0002	0.0003
10	0' to 30'	29.9982	0.0004
10	0' to 45'	44.9975	0.0006
10	0' to 60'	59.9970	0.0007
10	0' to 75'	74.9964	0.0009

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 2 (k=2).

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

**NIST Traceable Information:** Verified using Channel Supplies Master NIST Tape Serial #15927, 15927M

**The assumed Thermal Expansion of this tape is:** 0.00000645 ft/ft/°F

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

Method of calculation based on API Chapter 3 Section 1A.

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.

**Verified By:**

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David Jump - Channel Supplies