



# J.A. KING

PRECISION MEASUREMENT PROFESSIONALS



1741.05 - Calibration

## Certificate Of Calibration and Traceability

Certificate #: GSO-21387-229526-1

### Calibration Performed By:

J.A. King & Company  
951 Aviation Parkway Suite 200  
Morrisville, NC 27560  
Toll Free: 800-327-7727

### For:

Pete Susca Test Company - 987  
999 Elm Street  
Raleigh, NC 27617  
P. O. Number: Kevin R

<b>Procedure No.:</b>	Per Handbook 44	<b>Performed At:</b>	Customer Loc.
<b>Tolerance:</b>	Nist HB 44 Table 6	<b>Equipment ID:</b>	1111
<b>Temp./RH:</b>	77 F / 32%	<b>Manufacturer:</b>	Avery Weigh Tronix
<b>Cal Interval:</b>	3 MONTH(S)	<b>Model Number:</b>	WI-125
<b>Cal Date:</b>	10/30/2014	<b>Serial Number:</b>	1111
<b>Cal Due Date:</b>	1/30/2015	<b>Description:</b>	Truck Scale
<b>Calibration Result:</b>	Pass	<b>Capacity x Resolution:</b>	120000 X 20 lb
<b>Technician:</b>	Roberson, Kevin	<b>Department:</b>	Yard

Remarks: In Tolerance Meets NIST Handbook 44 Table 6 Specifications.

### Increasing Test

Description	Nominal	Tolerance -	Tolerance +	Results	As Found	As Left	Units	Uncertainty
	4500	4480	4520	P	4500	4500	lb	13
	8500	8480	8520	P	8500	8500	lb	14
	13000	12960	13040	P	13000	13000	lb	15
	16500	16460	16540	P	16500	16500	lb	15
	20500	20440	20560	P	20500	20500	lb	16
	24500	24440	24560	P	24500	24500	lb	17

### Decreasing Test

Description	Nominal	Tolerance -	Tolerance +	Results	As Found	As Left	Units	Uncertainty
	12500	12460	12540	P	12500	12500	lb	15

### Zero-Load Balance Change

Description	Nominal	Tolerance -	Tolerance +	Results	As Found	As Left	Units	Uncertainty
	0	-20	20	P	0	0	lb	12

### Corner Test

Description	Nominal	Tolerance -	Tolerance +	Results	As Found	As Left	Units	Uncertainty
Corner 1	24500	24480	24520	P	24500	24500	lb	17
Corner 2	24500	24480	24520	P	24500	24500	lb	17

Corner 3	24500	24480	24520	P	24500	24500	lb	17
Corner 4	24500	24480	24520	P	24500	24500	lb	17
Corner 5	24500	24480	24520	P	24500	24500	lb	17
Corner 6	24500	24480	24520	P	24500	24500	lb	17
Corner 7	24500	24480	24520	P	24500	24500	lb	17
Corner 8	24500	24480	24520	P	24500	24500	lb	17
Range of Results	0	0	40	P	0	0	lb	12

#### Strain Test

Description	Nominal	Tolerance -	Tolerance +	Results	As Found	As Left	Units	Uncertainty
Strain Load =30000	54500	54440	54560	P	54500	54500	lb	22

**P=Passed "As Found/As Left"**

**A=Out of Tolerance "As Found"**

**F=Out of Tolerance "As Found/As Left"**

**R=Report of Actual Value**

#### Standards Used To Calibrate Equipment

Traceability#	I.D.	Description	Last Cal.	Cal. Due Date
NC1409-139-WC	CART16148B	Weight Cart, 4500 lb Class F	9/29/2014	9/29/2016
NC1408-130-W	TEST TRK RCC53 1 OF 2	Weight Set, 1000 lb Class F	8/27/2014	8/27/2016
NC1408-130-W	TEST TRK RCC53 2 OF 2	Weight Set, 1000 lb Class F	8/27/2014	8/27/2016

This instrument has been processed and calibrated in accordance with the J. A. King & Co., LLC Quality Assurance manual and is traceable to the National Institute of Standards & Technology (NIST). Reported uncertainties and/or "Test uncertainty ratios" (TUR's) are expressed as expanded uncertainty values at approximately the 95% confidence level using a coverage factor of K=2. A minimum TUR of 2:1 shall be maintained, unless otherwise noted on the certificate. Statements of compliance, where applicable, are based upon the test results falling within the specified limits with no reduction by the uncertainty of the measurement. The results contained herein relate only to the item calibrated. This certificate shall not be reproduced, except in full without the written permission of J. A. King & Co., LLC. Calibration due dates appearing on the Certificate of calibration and label are determined by the customer and do not imply continued conformance to specifications. The J. A. King & Co., LLC Quality Management system complies with the requirements of ISO/IEC 17025 and ANSI/NCSL Z540-1-1994. View our Scope of Accreditation at [www.jaking.com](http://www.jaking.com).

Certification Done and Authorized By: **Roberson, Kevin Calibration Technician**