

NIST Traceable
Calibration Report



Reference Number: **996234**
 PO Number: **41806**

Scientific Industries
 80 Orville Drive
 Suite 102
 Bohemia, NY 11716-2534 United States

Manufacturer: Scientific Industries Inc
Model Number: FC500
Description: Force, Digital Force Gauge
Asset Number: CP274562
Serial Number: F22005001054
Procedure: DS Universal Force Gauge

Calibration Date: 04/28/2017
Calibration Due Date:
Condition As Found: Initial Calibration
Condition As Left: In Tolerance, No adjustment

Remarks:

NIST-traceable calibration performed on the unit referenced above in accordance with customer requirements, published specifications and the lab's standard operating procedures. No adjustments were made to the unit. Recommended calibration due date is 12 months from date of purchase

Standards Utilized

Asset No.	Manufacturer	Model No.	Description	Cal. Date	Due Date
CP100516	CDI	CDI 2000-WEIGHTS	Mass, Weights 0.2oz to 657 LBS	01/09/2017	01/31/2019

Calibration Data

FUNCTION TESTED	Nominal Value	As Found	Out of Tol	As Left	Out of Tol	CALIBRATION TOLERANCE
Zero Reference	0.00 lb	0.00		Same		-0.20 to 0.20 lb
Tension	20.00 lb	20.00		Same		19.80 to 20.20 lb [EMU 0.0081 lb][TUR 25:1]
	40.00 lb	40.00		Same		39.80 to 40.20 lb [EMU 0.0083 lb][TUR 24:1]
	60.00 lb	60.00		Same		59.80 to 60.20 lb [EMU 0.0085 lb][TUR 23:1]
	80.00 lb	80.00		Same		79.80 to 80.20 lb [EMU 0.0088 lb][TUR 23:1]
	100.00 lb	100.00		Same		99.80 to 100.20 lb [EMU 0.009 lb][TUR 22:1]
Zero Reference	0.00 lb	0.00		Same		-0.20 to 0.20 lb
Compression	20.00 lb	20.00		Same		19.80 to 20.20 lb [EMU 0.0081 lb][TUR 25:1]
	40.00 lb	40.00		Same		39.80 to 40.20 lb [EMU 0.0083 lb][TUR 24:1]
	60.00 lb	60.00		Same		59.80 to 60.20 lb [EMU 0.0085 lb][TUR 23:1]
	80.00 lb	80.00		Same		79.80 to 80.20 lb [EMU 0.0088 lb][TUR 23:1]
	100.00 lb	100.00		Same		99.80 to 100.20 lb [EMU 0.009 lb][TUR 22:1]

Temperature: 21° C
Humidity: 45% RH
Rpt. No.: 1150136

Calibration Performed By:				Quality Reviewer:	
Name	ID #	Title	Phone	Name	Date
Alexander, James	338	Metrologist	847-327-5340	Pietronicco, Mike	4/28/2017

This report may not be reproduced, except in full, without written permission of Innocal. The results stated in this report relate only to the items tested or calibrated. Measurements reported herein are traceable to SI units via national standards maintained by NIST and were performed in compliance with MIL-STD-45662A, ANSI/NCSL Z540-1-1994, 10CFR50, Appendix B, ISO 9002-94, and ISO 17025:2005. Guard Banding, if reported on this certificate, is applied at a Z-factor of 30% for test points with a test uncertainty ratio (TUR) below 4:1. The estimated measurement uncertainty (EMU), if reported on this certificate, is being reported at a confidence level of 95% or K=2 unless otherwise noted in the remarks section.