QUALITY CALIBRATION SERVICE, INC.
5515 S Westridge Drive • New Berlin, WI 53151
414-256-8900 • FAX: 414-256-8911 • Toll Free: 800-285-0035
e-mail: QCS@QualityCalibration.com • www.QualityCalibration.com

Certificate of Calibration

ISO/IEC 17025:2005 ACCREDITED & ISO 9001:2008
REGISTERED CALIBRATION LABORATORY

ACCREDITED No. 462.01 "Calibration"

№ 01096401

For REX GAUGE COMPANY, INC.
1250 BUSCH PARKWAY
BUFFALO GROVE, IL 60089

P.O. 6576JC

Type of Gage/s WEIGHTS
Identification AS LISTED
Date 09-12-2014

Manufacturer OHAUS
Model Number N/A
Recalibration Date 09-12-2019

Nominal	Tol	Before
10g-H		
10.00000g	±.00050	10.00002
10g-G		
10.00000g	±.00050	10.00017
20g-F		
20.00000g	±.00070	20.00001
20g-E		
20.00000g	±.00070	19.99994
50g-D		
50.00000g	±.00120	50.00001
100g-C		
100.0000g	±.00200	100.0000
200g-B		
200.00g	±0.15	200.00
200g-A		
200.00g	±0.15	199.99

Remarks * See reverse side for additional comments.

Gages listed were checked against masters traceable to the National Institute of Standards & Technology at a measuring temperature of 68°F (20°C) 45% Relative Humidity (max.). This calibration was performed in accordance with requirements of: ISO/IEC 17025, ANSI/NCSL Z540-1, ISO10012-1, 10CFR50, MIL-STD-45662A, MIL-I-45208A, MIL-Q-9858A, MIL-STD-120, ANSI/ASME B89.1.13, ANSI/ASME B89.1.6, Fed. Std. H28, ANSI/ASME B1.2, B1.20.5, BS 21, ISO 7, ISO 228-1 for Screw Threads on instrument # Q-87/93/260/292 Calibrated Prior To Use Per QCS M9.

Inspected by J. Hasert Lab Technician N.I.S.T. Test Number *SEE REVERSE SIDE Date 02-14-2011

Subscribed and sworn to before me this 12th day of September Yr. 2014 N/A
Notary Public

Before refers to actual values taken before adjustment/repair. No adjustment/repair necessary.
Equipment meets an accuracy of the listed tolerance values.
Weights meet ASTM E617 tolerances class 4 from 10g to 100g and class 5 for the
two 200g weights.
Q-93 was calibrated on 02-14-2011 and is traceable to N.I.S.T.
N.I.S.T. Test Numbers 822/272801-06 and 822/278785-10.
Q-260 was calibrated on 05-16-2013 and is traceable to N.I.S.T.
N.I.S.T. Test Numbers 681/280058-10 and 822/278785-10.
Q-292 was calibrated on 11-06-2013 and is traceable to N.I.S.T.
N.I.S.T. Test Numbers 681/280058-10 and 822/278785-10.
Total uncertainty in measurement for Q-87 is ±0.06g at a 95% confidence level.
Total uncertainty in measurement for Q-260 is ±0.3mg at a 95% confidence level.
Total uncertainty in measurement for Q-292 is 0.00015g at a 95% confidence level.

Instruments and standards used for calibrations performed:
Q-87 / Sartorius Scale (0-6200 g.) / Cal Date: 7/31/2014 / Due Date: 7/28/2015
Q-93 / Weight(s) / Cal Date: 2/14/2011 / Due Date: 2/28/2016
Q-260 / Weight Scale / Cal Date: 7/31/2014 / Due Date: 7/28/2015
Q-292 / Class 1 mg Weight Set / Cal Date: 11/6/2013 / Due Date: 11/28/2015
Temperature and humidity at which calibration was performed:
Temperature 70° +/- 4°F Maximum Humidity 55%

All items are considered to be in serviceable condition unless otherwise stated on this certification. Excessive use, mishandling, environmental conditions or other factors may cause the calibrated item to fall out of calibration before the scheduled recalibration date. All measurements performed in English (inches), unless otherwise stated.

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Certificate of Calibration

ISO/IEC 17025:2005 ACCREDITED & ISO 9001:2008
REGISTERED CALIBRATION LABORATORY

ACCREDITED No. 462.01 "Calibration"

№ 01092434

For REX GAUGE COMPANY, INC.
1250 BUSCH PARKWAY
BUFFALO GROVE, IL 60089

P.O. 6576JC

Type of Gage/s WEIGHTS
Identification 13GVD
Date 09-12-2014

Manufacturer RICE LAKE
Model Number N/A
Recalibration Date 09-12-2019

Nominal	Tol	Before
1mg		
.00100g	±.00010	.00101
2mg		
.00200g	±.00012	.00200
2mg-1 dot		
.00200g	±.00012	.00200
5mg		
.00500g	±.00017	.00501
10mg		
.01000g	±.00021	.01007
20mg		
.02000g	±.00026	.02006
20mg- 1 dot		
.02000g	±.00026	.02000
50mg		
.05000g	±.00035	.05015
100mg		
.10000g	±.00043	.10021
200mg		
.20000g	±.00054	.20025
200mg-1 dot		
.20000g	±.00054	.20009
500mg		
.50000g	±.00072	.50032

Nominal	Tol	Before
1g		
1.00000g	±.00090	1.00039
2g		
2.00000g	±.00110	2.00011
2g-1 dot		
2.00000g	±.00110	2.00032
5g		
5.00000g	±.00150	5.00042
10g		
10.00000g	±.00200	10.00094
20g		
20.00000g	±.00400	20.00146
20g-1 dot		
20.00000g	±.00400	20.00175
50g		
50.00000g	±.01000	50.00398
100g		
100.0000g	±.0200	100.0012
200g		
200.00g	±.04	200.00
200g-1 dot		
200.00g	±.04	200.01
500g		
500.00g	±.07	500.02

Nominal	Tol	Before
1kg		
1000.00g	±.10	1000.01

Remarks * See reverse side for additional comments.

Gages listed were checked against masters traceable to the National Institute of Standards & Technology at a measuring temperature of 68°F (20°C) 45% Relative Humidity (max.). This calibration was performed in accordance with requirements of: ISO/IEC 17025, ANSI/NCSL Z540-1, ISO10012-1, 10CFR50, MIL-STD-45662A, MIL-I-45208A, MIL-Q-9858A, MIL-STD-120, ANSI/ASME B89.1.13, ANSI/ASME B89.1.6, Fed. Std. H28, ANSI/ASME B1.2, B1.20.5, BS 21, ISO 7, ISO 228-1 for Screw Threads on instrument # Q-87/93/260/292 M9 Calibrated Prior To Use Per QCS _____.

Inspected by [signature] Lab Technician N.I.S.T. Test Number *SEE REVERSE SIDE Date 02-14-2011

Subscribed and sworn to before me this 12th day of September Yr. 2014 N/A
Notary Public

Before refers to actual values taken before adjustment/repair. No adjustment/repair necessary.
Equipment meets Manufacturer's tolerance requirements of the listed tolerance values.
Weights meet tolerance requirements of NIST Handbook 105-1 class F.
Q-93 was calibrated on 02-14-2011 and is traceable to N.I.S.T.
N.I.S.T. Test Numbers 822/272801-06 and 822/278785-10.
Q-260 was calibrated on 05-16-2013 and is traceable to N.I.S.T.
N.I.S.T. Test Numbers 681/280058-10 and 822/278785-10.
Q-292 was calibrated on 11-06-2013 and is traceable to N.I.S.T.
N.I.S.T. Test Numbers 681/280058-10 and 822/278785-10.
Total uncertainty in measurement for Q-87 is ±0.06g at a 95% confidence level.
Total uncertainty in measurement for Q-260 is ±0.3mg at a 95% confidence level.
Total uncertainty in measurement for Q-292 is 0.00015g at a 95% confidence level.

Instruments and standards used for calibrations performed:
Q-87 / Sartorius Scale (0-6200 g.) / Cal Date: 7/31/2014 / Due Date: 7/28/2015
Q-93 / Weight(s) / Cal Date: 2/14/2011 / Due Date: 2/28/2016
Q-260 / Weight Scale / Cal Date: 7/31/2014 / Due Date: 7/28/2015
Q-292 / Class 1 mg Weight Set / Cal Date: 11/6/2013 / Due Date: 11/28/2015
Temperature and humidity at which calibration was performed:
Temperature 70° +/- 4°F Maximum Humidity 55%

All items are considered to be in serviceable condition unless otherwise stated on this certification. Excessive use, mishandling, environmental conditions or other factors may cause the calibrated item to fall out of calibration before the scheduled recalibration date. All measurements performed in English (inches), unless otherwise stated.

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Certificate of Calibration

ISO/IEC 17025:2005 ACCREDITED & ISO 9001:2008 REGISTERED CALIBRATION LABORATORY

ACCREDITED No. 462.01 "Calibration"

№ 01096400

For REX GAUGE COMPANY, INC.
1250 BUSCH PARKWAY
BUFFALO GROVE, IL 60089

P.O. 6576JC

Type of Gage/s WEIGHTS Manufacturer RICE LAKE

Identification AS LISTED Model Number N/A

Date 09-12-2014 **Recalibration Date** 09-12-2019

Nominal	Tol	Before
1Kg		
1000.00g	±0.05	1000.00
1Kg #1		
1000.00g	±0.05	1000.00
2Kg		
2000.00g	±0.10	1999.99
2Kg #1		
2000.00g	±0.10	1999.99

Remarks * See reverse side for additional comments.

Gages listed were checked against masters traceable to the National Institute of Standards & Technology at a measuring temperature of 68°F (20°C) 45% Relative Humidity (max.). This calibration was performed in accordance with requirements of: ISO/IEC 17025, ANSI/NCSL Z540-1, ISO10012-1, 10CFR50, MIL-STD-45662A, MIL-I-45208A, MIL-Q-9858A, MIL-STD-120, ANSI/ASME B89.1.13, ANSI/ASME B89.1.6, Fed. Std. H28, ANSI/ASME B1.2, B1.20.5, BS 21, ISO 7, ISO 228-1 for Screw Threads on instrument # Q-87/93/134 Calibrated Prior To Use Per QCS M9.

Inspected by J Hasco Lab Technician N.I.S.T. Test Number *SEE REVERSE SIDE Date 02-14-2011

Subscribed and sworn to before me this 12th day of September Yr. 2014 N/A

Notary Public

Before refers to actual values taken before adjustment/repair. No adjustment/repair necessary.
Equipment meets an accuracy of the listed tolerance values.
Weights were found to meet ASTM E617 Class 5 listed tolerance requirements.
Q-93 was calibrated on 02-14-2011 and is traceable to N.I.S.T.
N.I.S.T. Test Numbers 822/272801-06 and 822/278785-10.
Q-134 was calibrated on 06-27-2011 and is traceable to N.I.S.T.
N.I.S.T. Test Numbers 681/280058-10 and 822/278875-10.
Total uncertainty in measurement for Q-87 is ±0.06g at a 95% confidence level.
Total uncertainty in measurement for Q-134 is ±0.5mg at a scale resolution of 0.01g at a 95% confidence level.

Instruments and standards used for calibrations performed:
Q-87 / Sartorius Scale (0-6200 g.) / Cal Date: 7/31/2014 / Due Date: 7/28/2015
Q-93 / Weight(s) / Cal Date: 2/14/2011 / Due Date: 2/28/2016
Q-134 / Weight(s) / Cal Date: 6/27/2011 / Due Date: 9/28/2014
Temperature and humidity at which calibration was performed:
Temperature 70° +/- 4°F Maximum Humidity 55%

All items are considered to be in serviceable condition unless otherwise stated on this certification. Excessive use, mishandling, environmental conditions or other factors may cause the calibrated item to fall out of calibration before the scheduled recalibration date. All measurements performed in English (inches), unless otherwise stated.