



CERTIFICATE OF ACCREDITATION

ANSI-ASQ National Accreditation Board

500 Montgomery Street, Suite 625, Alexandria, VA 22314, 877-344-3044

This is to certify that

Brian Service and Calibration

15255 Gulf Freeway #188B

Houston, TX 77034

has been assessed by ANAB
and meets the requirements of international standard

ISO/IEC 17025:2005

and national standard

ANSI/NCSL Z540-1-1994 (R2002)

while demonstrating technical competence in the field of

CALIBRATION

Refer to the accompanying Scope of Accreditation for information regarding the types of calibrations to which this accreditation applies.

AC-1181

Certificate Number


ANAB Approval

Certificate Valid: 04/17/2018-04/22/2020
Version No. 004 Issued: 04/17/2018



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005 AND
ANSI/NCSL Z540-1-1994 (R2002)**

Brian Service and Calibration

15255 Gulf Freeway #188B
Houston, TX 77034
Kris Brian
281-922-5755

CALIBRATION

Valid to: **April 22, 2020**

Certificate Number: **AC-1181**

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Brinell Hardness Testers	(500 to 3 000) kgf	0.23 % of applied load	Proving ring Hardness test blocks
Rockwell Hardness Testers	(39.5 to 95) HRA (35 to 100) HRB (20 to 65) HRC (75 to 100) HRE (41.5 to 84.4) HRN (15 to 83.1) HRT	0.20 HRA 0.52 HRB 0.34 HRC 0.62 HRE 0.25 HRN 0.35 HRT	Hardness test blocks
UCI Ultrasonic Contact Impedance Tester	(20 to 65) UCI (HRC)	0.34 UCI (HRC)	Hardness test blocks
Knoop Hardness Testers	(120 to 920) HK	1.87 HK	Hardness test blocks
Vickers Hardness Testers	(107 to 940) HV	1.51 HV	Hardness test blocks
Hardness Testers Leeb (Rebound)	(300 to 900) HL	9.67 HL	Hardness test blocks
Creep/Stress Testers	(500 to 5 000) lb	1 % of applied load	Proving ring
Applied Mass Dial Indicators Timing	Up to 20 lb Up to 0.02 in Up to 24 hr	0.003 lb 140 μin 0.26 s	Precision Scale Micrometer Timer and NIST clock

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Optical Verification Brinell Microscopes Microscopes - General	Up to 10 mm	4.5 μm	Stage Micrometer

Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and reference standard, method, and/or equipment. The expanded uncertainty of measurement is expressed as the standard uncertainty of the measurement multiplied by a coverage factor of 2 ($k=2$), corresponding to a confidence level of approximately 95%.

Notes:

1. On-site calibration service is available for this parameter, since on-site conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected on-site than what is reported on the accredited scope.
2. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-1181.



Vice President

