



CERTIFICATE OF ACCREDITATION

This is to attest that

CERTRONIXWEST CALIBRATION, INC.

7906 WENDOVER DRIVE
RIVERSIDE, CALIFORNIA 92509, U.S.A.

Calibration Laboratory CL-110

has met the requirements of AC204, *IAS Accreditation Criteria for Calibration Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date April 30, 2019

Expiration Date November 1, 2021



A handwritten signature in black ink that reads "Raj Nathan".

President

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

CERTRONIXWEST CALIBRATION, INC.

www.certronixwestcalibration.com

Contact Name John L. Smith

Contact Phone +1- 951-788-9949

Accredited to ISO/IEC 17025:2017

Effective Date April 30, 2019

CALIBRATION AND MEASUREMENT CAPABILITY (CMC)*

MEASURED QUANTITY or DEVICE TYPE CALIBRATED	RANGE	UNCERTAINTY ^{1,2} (±)	CALIBRATION PROCEDURE AND/OR STANDARD EQUIPMENT USED
Mechanical			
Hardness Testers Rockwell	"HRA" Scale	0.25HRA	Indirect Verification, CCP-05, ASTM E18-19
	"HRBW" Scale	0.26 HRBW	
	"HRC" Scale	0.21 HRC	
	"HREW" Scale	0.28 HREW	
	"HRFW" Scale	0.27 HRFW	
	"HRHW" Scale	0.45 HRHW	
	"HRKW" Scale	0.45 HRKW	
	"HR15N" Scale	0.25 HR15N	
	"HR15TW" Scale	0.30 HR15TW	
	"HR15YW" Scale	0.28 HR15YW	
	"HR30N" Scale	0.29 HR30N	
	"HR30TW" Scale	0.28 HR30TW	
	"HR45N" Scale	0.29 HR45N	
"HR45TW" Scale	0.42 HR45TW		
Vickers	Up to 250 HV	0.20 HV	ASTM E384-17, ASTM E92-17
	250 HV to 750 HV	0.15 HV	
Knoop	Up to 250 HK	0.34 HK	ASTM E384-17, ASTM E92-17
	250 HV to 750 HV	0.15 HK	
Brinell	100 HBW to 450 HBW	6 HBW	Indirect Verification, CCP-06, ASTM E-10
Leeb Hardness	763 HLD to 788 HLD	10 HLD	Indirect Verification, CCP-07, ASTME 384-17, ASTM A956-17a
Optical Comparator Calibration – 20X	0 in to 12 in	0.006 in	CCP-08
Electrical – DC/LF			
Electrical Conductivity Testers	15.0 % to 60.85 %	0.93 %	Eddy current, CCP-04, Boeing Specification BAC5651

* If information in this CMC is presented in non-SI units, the conversion factors stated in NIST Special Publication 811 "Guide for the Use of the International System of Units (SI)" apply.

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¹The uncertainty covered by the Calibration and Measurement Capability (CMC) is expressed as the expanded uncertainty having a coverage probability of approximately 95 %. It is the smallest measurement uncertainty that a laboratory can achieve within its scope of accreditation when performing calibrations of a best existing device. The measurement uncertainty reported on a calibration certificate may be greater than that provided in the CMC due to the behavior of the calibration item and other factors that may contribute to the uncertainty of a specific calibration.

²When uncertainty is stated in relative terms (such as percent, a multiplier expressed as a decimal fraction or in scientific notation), it is in relation to instrument reading or instrument output, as appropriate, unless otherwise indicated.