

Fox Valley Metrology

3114 Medalist Drive

Oshkosh, WI 54902

(920) 426-5894 • Fax (920) 426-8120

<https://www.FoxValleyMetrology.com>

CERTIFICATE OF CALIBRATION



Certificate No. ACT-1272

CERTIFICATION NUMBER	CP150-28819-840	IDENTIFICATION	MC-002B
FOR	Sample Manufacturing 3121 Medalist Drive Oshkosh, WI 54902	SERIAL NUMBER	
TEST INSTRUMENT	Hardness Tester Brinell	PURCHASE ORDER #	
MAKE	Service Diamond	PROCEDURES FOLLOWED	MC-002B rev. 1
MODEL	(HRC)		
RANGE	3000 KG		
CUSTOMER LOCATION	Location1 Location2	STANDARDS USED	
CONDITION RECEIVED	In Tolerance	INSTRUMENT	SERIAL NUMBER
CONDITION RETURNED	In Tolerance	FVS-013C	As Listed
CALIBRATED BY	Alex Paulsen	TRACE NUMBER	CP129-29206-724
REVIEWED/ISSUED	D.P. 07/29/2025	NEXT CAL	05/31/2030
CALIBRATION LOCATION	FVM		
ENVIRONMENT	69.0°F, 31.0%RH, 28.99inHg		
CALIBRATION DATE	05/30/2025		
RECALIBRATION DUE	05/30/2026		

CALIBRATION RESULTS

* DENOTES "OUT OF TOLERANCE"

FEATURE	NOMINAL	LOWER LIMIT	UPPER LIMIT	AS FOUND	AS LEFT	UNCERTAINTY
Hardness	(HBW)	(HBW)	(HBW)	(HBW)	(HBW)	(HBW)
3000 KG Low	169.0	163.9	174.1	169.0	169.0	4.7E+0
S/N: L	169.0	163.9	174.1	169.0	169.0	4.7E+0
Diameter: 4.617	169.0	163.9	174.1	169.0	169.0	4.7E+0
mm						
Average	169.0	163.9	174.1	169.0	169.0	4.7E+0
Hardness	(HBW)	(HBW)	(HBW)	(HBW)	(HBW)	(HBW)
3000 KG Middle	306.0	296.8	315.2	306.0	306.0	5.8E+0
S/N: M	306.0	296.8	315.2	306.0	306.0	5.8E+0
Diameter: 3.48	306.0	296.8	315.2	306.0	306.0	5.8E+0
mm						
Average	306.0	296.8	315.2	306.0	306.0	5.8E+0
Hardness	(HBW)	(HBW)	(HBW)	(HBW)	(HBW)	(HBW)
3000 KG High	501	486	516	501	501	7.4E+0
S/N: H	501	486	516	501	501	7.4E+0
Diameter: 2.73	501	486	516	501	501	7.4E+0
mm						
Average	501	486	516	501	501	7.4E+0

COMMENTS

ASTM E10 Method: Indirect

Indentor S/N: N/A

Type A Scope S/N: N/A

10mm Ball measured 10mm

Example certificate, actual results and uncertainties will be reported at the time of calibration.

Nominal and limits may vary based on actual make/model.

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- This certificate shall not be altered in any form or reproduced, except in full, without prior written approval from originating lab. These results relate only to the item(s) calibrated. Form Revision 10: 06/04/2024
 - Total expanded measurement uncertainties expressed are based on a confidence level of 95%; coverage factor of (k=2). The statement of compliance in this certificate was issued without taking the uncertainty of measurement into consideration. The customer shall assess the results and uncertainty when determining if the results meet their needs. (This is considered "shared responsibility.") Uncertainties expressed in nominal units.
 - The calibrations within the certificate/report are traceable through NIST or another National Metrology Institute to the International System of Units (SI). Calibration was completed in accordance with ISO/IEC 17025:2017, ANSI/NCSL Z540-1-1994 and ANSI/NCSL Z540.3-2006. Other standards listed upon request.
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