

**CERTIFICATE OF
 CALIBRATION**



Certificate No. ACT-1272

CERTIFICATION NUMBER	CP134-00373-840	IDENTIFICATION	MC-002A
FOR	Sample Manufacturing 3121 Medalist Drive Oshkosh, WI 54902	SERIAL NUMBER	373
TEST INSTRUMENT	Hardness Tester Rockwell	PURCHASE ORDER #	
MAKE	Standard Hardness Tester	PROCEDURES FOLLOWED	MC-002A rev. 1
MODEL	Standard Hardness Tester		
RANGE	C		
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	07/31/2025
CALIBRATION LOCATION	FVM		
ENVIRONMENT	69.0°F, 31.0%RH, 28.92inHg		
CALIBRATION DATE	05/14/2025		
RECALIBRATION DUE	05/14/2026		



CALIBRATION RESULTS

* DENOTES "OUT OF TOLERANCE"

FEATURE	NOMINAL	LOWER LIMIT	UPPER LIMIT	AS FOUND	AS LEFT	UNCERTAINTY
Hardness	(HRC)	(HRC)	(HRC)	(HRC)	(HRC)	(HRC)
Low	27.4	26.4	28.4	27.7	27.7	5.4E-1
S/N: 23240768	27.4	26.4	28.4	27.7	27.7	5.4E-1
	27.4	26.4	28.4	27.7	27.7	5.4E-1
	27.4	26.4	28.4	27.9	27.9	5.4E-1
	27.4	26.4	28.4	27.9	27.9	5.4E-1
Average	27.4	26.4	28.4	27.8	27.8	5.4E-1
Repeatability	0	-2	2	0	0	6.0E-1
Error	0	-1	1	0	0	6.0E-1
Hardness	(HRC)	(HRC)	(HRC)	(HRC)	(HRC)	(HRC)
Middle	41.3	40.3	42.3	41.3	41.3	5.3E-1
S/N: 23390163	41.3	40.3	42.3	41.3	41.3	5.3E-1
	41.3	40.3	42.3	41.0	41.0	5.3E-1
	41.3	40.3	42.3	41.0	41.0	5.3E-1
	41.3	40.3	42.3	41.0	41.0	5.3E-1
Average	41.3	40.3	42.3	41.1	41.1	5.3E-1
Repeatability	0	-2	2	0	0	6.0E-1
Error	0	-1	1	0	0	6.0E-1
Hardness	(HRC)	(HRC)	(HRC)	(HRC)	(HRC)	(HRC)
High	63.5	63.0	64.0	63.5	63.5	5.0E-1
S/N: 23600377	63.5	63.0	64.0	63.5	63.5	5.0E-1
	63.5	63.0	64.0	63.5	63.5	5.0E-1
	63.5	63.0	64.0	63.5	63.5	5.0E-1
	63.5	63.0	64.0	63.5	63.5	5.0E-1
Average	63.5	63.0	64.0	63.5	63.5	5.0E-1

Fox Valley Metrology

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FEATURE	NOMINAL	LOWER LIMIT	UPPER LIMIT	AS FOUND	AS LEFT	UNCERTAINTY
Repeatability	0	-1	1	0	0	6.0E-1
Error	0	-1	1	0	0	6.0E-1
HRC Indentor						
S/N:						

COMMENTS

Example certificate, actual results and uncertainties will be reported at the time of calibration.
Nominal and limits may vary based on actual make/model.

- 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.