

**CERTIFICATE OF
 CALIBRATION**



Certificate No. ACT-1272

CERTIFICATION NUMBER	CP134-00318-840	IDENTIFICATION	MC-002D
FOR	Sample Manufacturing 3121 Medalist Drive Oshkosh, WI 54902	SERIAL NUMBER	318
TEST INSTRUMENT	Hardness Tester Microhardness	PURCHASE ORDER #	
MAKE	Standard Hardness Tester	PROCEDURES FOLLOWED	MC-002D rev. 1
MODEL	Standard		
RANGE	Vickers		
CUSTOMER LOCATION	Location1 Location2	STANDARDS USED	
CONDITION RECEIVED	In Tolerance	INSTRUMENT	SERIAL NUMBER
CONDITION RETURNED	In Tolerance	STL-591	CL176-36231-491
CALIBRATED BY	Andrew Geiser	STL-736	SV51C24201237
REVIEWED/ISSUED	D.P. 07/29/2025		CP021-57420-376
CALIBRATION LOCATION	FVM		NEXT CAL
ENVIRONMENT	69.0°F, 31.0%RH, 28.92inHg		07/31/2025
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	(HV)	(HV)	(HV)	(HV)	(HV)	(HV)
Low						
Vickers	223	214	232	223	223	6.0E-1
S/N: 15168	223	214	232	223	223	6.0E-1
Load: 300g	223	214	232	223	223	6.0E-1
Magnif: 20	223	214	232	223	223	6.0E-1
Average	223.0	214.0	232.0	223.0	223.0	6.0E-2
High						
Vickers	713	696	742	713	713	6.0E-1
S/N: 056645	713	696	742	713	713	6.0E-1
Load: 500g	713	696	742	713	713	6.0E-1
Magnif: 20	713	696	742	713	713	6.0E-1
Average	713.0	696.0	742.0	713.0	713.0	6.0E-2

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.