Fox Valley Metrology
3114 Medalist Drive
Oshkosh, WI 54902
(920) 426-5894 • Fax (920) 426-8120
https://www.FoxValleyMetrology.com

CERTIFICATE OF CALIBRATION

ilac-MRA
ANAB
ANSI National Accreditation Board
ACCREDITED
ISO/IEC 17025
CALIBRATION AND DIMENSIONAL MEASUREMENT
Certificate No. ACT-1272

CERTIFICATION NUMBER	CP134-00222-840
FOR	Sample Manufacturing 3121 Medalist Drive Oshkosh, WI 54902
TEST INSTRUMENT	Optical Comparator
MAKE	Kodak
MODEL	2A
RANGE	X=5.0000; Y=4.0000
ACCURACY	±(0.0001 in)
CUSTOMER LOCATION	Location1 Location2
CONDITION RECEIVED	In Tolerance
CONDITION RETURNED	In Tolerance
CALIBRATED BY	Marc Johnson
REVIEWED/ISSUED	D.P. 07/29/2025
CALIBRATION LOCATION	FVM
ENVIRONMENT	69.0°F, 31.0%RH, 28.92inHg
CALIBRATION DATE	05/14/2025
RECALIBRATION DUE	05/14/2026

IDENTIFICATION	EL-049C
SERIAL NUMBER	222
PURCHASE ORDER #	

PROCEDURES FOLLOWED

MC-003A rev. 1

STANDARDS USED

INSTRUMENT	SERIAL NUMBER	TRACE NUMBER	NEXT CAL
STS-141	N/A	CO262-49137-812	09/30/2025
STS-142	N/A	CO262-49400-812	09/30/2025

CALIBRATION RESULTS

* DENOTES "OUT OF TOLERANCE"

FEATURE	NOMINAL	LOWER LIMIT	UPPER LIMIT	AS FOUND	AS LEFT	UNCERTAINTY
Table & Screen Align						
X-Axis	0	0	0	0	0	6.0E-1
Y-Axis	0	0	0	0	0	6.0E-1
Perpendicularity						
X to Y	0	0	0	0	0	6.0E-1
Mirror Alignment						
Top	0.2500	0.2500	0.2500	0.2500	0.2500	6.0E-5
Center	0.2500	0.2500	0.2500	0.2500	0.2500	6.0E-5
Bottom	0.2500	0.2500	0.2500	0.2500	0.2500	6.0E-5
Right	0.2500	0.2500	0.2500	0.2500	0.2500	6.0E-5
Left	0.2500	0.2500	0.2500	0.2500	0.2500	6.0E-5
Lenses Verified						
20x	0.2500	0.2500	0.2500	0.2500	0.2500	6.0E-5
X-Axis	(in)	(in)	(in)	(in)	(in)	(in)
	0.1000	0.0998	0.1002	0.1000	0.1000	6.0E-5
	0.2500	0.2498	0.2502	0.2501	0.2501	6.0E-5
	0.5000	0.4998	0.5002	0.5000	0.5000	6.0E-5
	1.0000	0.9998	1.0002	1.0000	1.0000	6.0E-5
	2.0000	1.9998	2.0002	2.0001	2.0001	6.0E-5

Reviewed

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FEATURE	NOMINAL	LOWER LIMIT	UPPER LIMIT	AS FOUND	AS LEFT	UNCERTAINTY
	4.0000	3.9998	4.0002	4.0000	4.0000	6.0E-5
Y-Axis	(in)	(in)	(in)	(in)	(in)	(in)
	0.1000	0.0998	0.1002	0.1000	0.1000	6.0E-5
	0.2500	0.2498	0.2502	0.2501	0.2501	6.0E-5
	0.5000	0.4998	0.5002	0.5000	0.5000	6.0E-5
	1.0000	0.9998	1.0002	1.0000	1.0000	6.0E-5
	2.0000	1.9998	2.0002	2.0001	2.0001	6.0E-5
	4.0000	3.9998	4.0002	4.0000	4.0000	6.0E-5

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.