

Certificate of Compliance

Customer Name: Michigan Metrology, LLC

Date: 5/23/23

System Model:

NP Flex

System S/N: NPFLA-11-101

Next Certification Due: 5/24/26

This is to certify that the above system has been inspected, serviced and calibrated to ensure optimal operating performance.

The system calibration was conducted in accordance to the procedure outlined in the Bruker manual and was performed utilizing a certified standard which is traceable to NIST.

Thomas Coakley Senior Field Service Engineer

Figure 1. Certificate of Compliance for the NPFlex used by Michigan Metrology, LLC.

Step Height Standard Measurement Statement of Uncertainty Table	
Standard Information	
	0111/0040
Step Height Standard Serial Number	SHV2318
Step Height Standard Nominal Value (µm)	9.993
Step Height Standard 2 sigma uncertainty (μm)	0.029
Measurement Conditions	
NPFlex LA Serial Number	NPFLA-11-101
Scan Speed	1X
Objective Lens Magnification	2.5X
Objective Lens Serial Number	632194-2
Filters	None
Date	5/30/2023
Time	1:57 PM
Operator	DKC
Measurement Results	
	Measured Step Height (um)
Measurement 01	9.992
Measurement 02	9.990
Measurement 03	9.993
Measurement 04	9.996
Measurement 05	9.997
Measurement 06	9.991
Measurement 07	9.992
Measurement 08	9.990
Measurement 09 Measurement 10	9.984 9.990
ividasurement 10	9.990
Average	9.991
1 Sigma (standard deviation)	0.004
Percent Error from Calibrated Step Height	0.0%
Step Height Stated Uncertainty	
(Coverage Factor of 2) (um)	0.007
Signature	Smill Chen
Title	Managing Member
Date	5/30/2023

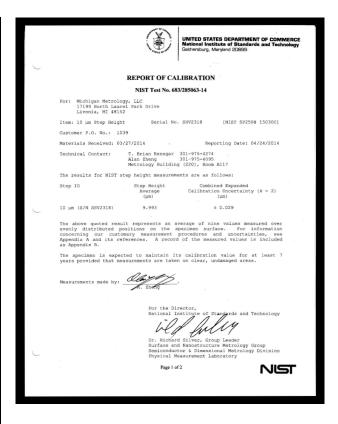


Figure 2. Measurement of NIST Traceable step standard is performed throughout the year for system verification and calibration.