



**National Voluntary
Laboratory Accreditation Program**



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

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CALIBRATION LABORATORIES

NVLAP LAB CODE 200669-0

NVLAP Code: 20/A01 ANSI/NCSL Z540-1-1994; Part 1 Compliant

DIMENSIONAL

NVLAP Code: 20/D12
 Surface Texture
 Step Height Standards

<i>Nominal Step Height in nm</i>	<i>Step Height Range in nm</i>	<i>Best Uncertainty (±) in nm</i> ^{notes 1, 2}
7	6 to 8	0.19
17	16 to 18	0.33
45	44 to 46	0.46
90	88 to 92	0.89
180	178 to 182	1.38
380	375 to 385	1.69
470	465 to 475	2.24
950	940 to 960	4.23

2009-04-01 through 2010-03-31

Effective dates

Sally S. Bruce

For the National Institute of Standards and Technology



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CALIBRATION LABORATORIES

NVLAP LAB CODE 200669-0

NVLAP Code: 20/D17
Film Thickness Standard
SiO₂ / Si

<i>Nominal Thickness in nm</i>	<i>Thickness Range in nm</i>	<i>Best Uncertainty (±) in nm</i> <small>notes 1, 2</small>
3	2.5 to 3.5	0.02
10	9 to 12	0.02
25	23.5 to 26.5	0.04
50	47.5 to 52.5	0.07
100	99 to 105	0.11 (Index 0.0008)
200	195 to 205	0.11
390	380 to 400	0.07
670	660 to 680	0.09
1050	1030 to 1060	0.10
Si ₃ N ₄ /Si		
10	8.5 to 11.5	0.02
40	38.5 to 41.5	0.04
95	92.5 to 97.5	0.07 (Index 0.0011)
200	185 to 205	0.03

1. Represents an expanded uncertainty using a coverage factor, $k = 2$, at an approximate level of confidence of 95 %.
2. Represents the uncertainty of the measured value.

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