CERTIFICATE OF REGISTRATION

RES CALIBRATION

III South I Street, Suite IG
Lompoc, California 93436 USA

Calibration Scope of Accreditation ISO/IEC 17025:2017

Date of Issue: December 05, 2020 - Expiration: December 04, 2023
Certificate Number: AGS-US120514-1/6

In recognition of the successful completion of the AGS evaluation process, accreditation is granted to this laboratory to perform the following calibrations[1]:

Calibration Measurement Capabilities			Master Standards set (C0074)			Backup Master Standards set (C0037)		
Calibration Range	Max. Std. Deviation	Max. Calculated Uncertainty	Standard ID	Avg. Step Height (µm)	NIST Calculated Uncertainty (k = 2)	Standard ID	Avg. Step Height (µm)	NIST Calculated Uncertainty (k = 2)
200Å	12Å	25Å	200Å	0.02314	±0.00034 µm	200Å	0.0221	±0.0011 µm
500Å	12Å	25Å	500Å	0.05353	±0.00065 µm	500Å	0.05081	±0.00073 µm
1000Å	14Å	30Å	1000Å	0.09771	±0.00091 µm	1000Å	0.1041	±0.0012 µm
2000Å	14Å	30Å	5000Å	.4701	±0.0025 µm	5000Å	0.4817	±0.0025 µm
5000Å	15Å	40Å	10000Å	1.0114	±0.0052 µm	10000Å	0.9746	±0.0049 µm
10000Å	15Å	60Å	50000Å	5.047	±0.022 µm	50000Å	4.869	±0.055 µm
50000Å	30Å	230Å	100000Å	10.017	±0.028 µm	100000Å	9.35	±0.1 µm
100000Å	50Å	300Å						
200000Å	75Å	660Å						

1. This laboratory offers commercial calibration services.
2. "Best Uncertainty" is the smallest uncertainty of measurements that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards of nearly ideal measuring equipment. Best uncertainties represent expanded uncertainties expressed at approximately the 95% level of confidence, usually using a coverage factor of $k = 2$. The best uncertainty of a specific calibration performed by the laboratory may be greater than the best uncertainty due to the behavior of the customer's device, to the environment and to influences from the circumstances of the specific calibration.