SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005
& ANSI/NCSL Z540-1-1994

NOVAMED INC.
8136 N Lawndale Ave.
Skokie, IL 60076
Mike Kahn Phone: 847 675 3550

CALIBRATION

Valid To: November 30, 2018 Certificate Number: 3053.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations[1]:

I. Mechanical

Parameter/Equipment	Range	CMC[2] (±)	Comments
Volume[3] – Pipettes Burettes, Dispensers, Cylinders, Syringes	(0.1 to 2) µL (2 to 10) µL (10 to 20) µL (20 to 100) µL (100 to 200) µL (200 to 1000) µL (1000 to 5000) µL (5000 to 10 000) µL (10 000 to 20 000) µL (20 000 to 50 000) µL (50 000 to 100 000) µL	0.011 µL 0.048 µL 0.041 µL 0.15 µL 0.31 µL 1.4 µL 5.8 µL 16 µL 29 µL 44 µL 120 µL	Gravimetric method using mass balance
Scales and Balances[3]	(1 to 5) g (5 to 10) g (10 to 50) g (50 to 100) g (100 to 150) g (150 to 210) g (1 to 100) g (100 to 500) g (500 to 1000) g (1000 to 2000) g (2000 to 10 000) g (10 000 to 30 000) g	0.068 mg 0.077 mg 0.09 mg 0.12 mg 0.18 mg 0.20 mg 2.9 mg 11 mg 21 mg 52 mg 110 mg 260 mg	Ultra-class weights Ultra-class weights OIML F2 Class ASTM – Class 4

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[1] This laboratory offers commercial calibration service and field calibration service.

[2] Calibration and Measurement Capability Uncertainty (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or nearly ideal measuring equipment. CMCs represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of $k = 2$. The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.

[3] Field calibration service is available for this calibration and this laboratory meets A2LA *R104 – General Requirements: Accreditation of Field Testing and Field Calibration Laboratories* for these calibrations (in both the US and Canada). Please note the actual measurement uncertainties achievable on a customer's site can normally be expected to be larger than the CMC found on the A2LA Scope. Allowance must be made for aspects such as the environment at the place of calibration and for other possible adverse effects such as those caused by transportation of the calibration equipment. The usual allowance for the actual uncertainty introduced by the item being calibrated, (e.g. resolution) must also be considered and this, on its own, could result in the actual measurement uncertainty achievable on a customer's site being larger than the CMC.

Accredited Laboratory

A2LA has accredited

NOVAMED INC.

Skokie, IL

for technical competence in the field of

Calibration

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets the requirements of ANSI/NCSLI Z540-1-1994 and *R205 – Specific Requirements: Calibration Laboratory Accreditation Program*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009*).

Presented this 17th day of November 2016.

President and CEO
For the Accreditation Council
Certificate Number 3053.01
Valid to November 30, 2018

For the calibrations to which this accreditation applies, please refer to the laboratory's Calibration Scope of Accreditation.