



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

UNFORS RAYSAFE INC  
6045 Cochran Rd  
Solon, OH 44139  
Donna Campbell Phone: 440 542 3623

CALIBRATION

Valid To: December 31, 2018

Certificate Number: 3081.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations<sup>1</sup>:

I. Electrical – DC/Low Frequency

| Parameter  | Range                              | CMC <sup>2,3</sup> (±) | Comments                                    |
|------------|------------------------------------|------------------------|---|
| DC Charge  | (0.1 to 2000) mA<br>(0.01 to 20) s | 0.14 %<br>0.14 %       | Direct comparison to NMI accredited charge  |
| DC Current | (0.1 to 2000) mA                   | 0.15 %                 | Direct comparison to NMI accredited current |

II. Ionizing Radiation and Radioactivity

| Parameter                 | Range                           | CMC <sup>2,3</sup> (±) | Comments                                      |
|---------------------------|---------------------------------|------------------------|---|
| Non-Invasive Voltage (DC) | (20 to 40) kV<br>(40 to 150) kV | 0.45 %<br>0.53 %       | Direct comparison to NMI accredited kV meter  |
| Air Kerma                 | (20 to 40) kV<br>(40 to 150) kV | 1.7 %<br>1.3 %         | Direct comparison to NMI accredited air kerma |

| Parameter      | Range          | CMC <sup>2,3</sup> (±) | Comments                                     |
|----------------|----------------|------------------------|--|
| Air Kerma Rate | (20 to 150) kV | R/F: 2.6 %             | Direct comparison to NMI accredited kV meter |

<sup>1</sup> This laboratory offers commercial calibration service.

<sup>2</sup> 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.

<sup>3</sup> In the statement of CMC, percentages are percentage of reading, unless otherwise indicated.





# Accredited Laboratory

A2LA has accredited

**UNFORS RAYSAFE INC.**

*Solon, OH*

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 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 15<sup>th</sup> day of March 2017.



A handwritten signature in black ink, written over a horizontal line.

President and CEO  
For the Accreditation Council  
Certificate Number 3081.01  
Valid to December 31, 2018

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