



# CERTIFICATE OF ACCREDITATION

## The ANSI National Accreditation Board

Hereby attests that

**Radiation Safety & Control Services, Inc.**

**93 Ledge Road  
Seabrook, NH 03874**

Fulfills the requirements of

**ISO/IEC 17025:2017**

In the field of

**CALIBRATION**

This certificate is valid only when accompanied by a current scope of accreditation document.  
The current scope of accreditation can be verified at [www.anab.org](http://www.anab.org).

A handwritten signature in black ink, appearing to be 'J. Stine', is positioned above a horizontal line.

Jason Stine, Vice President

Expiry Date: 19 September 2028

Certificate Number: AC-2079



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.  
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 April 2017).

## SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

### Radiation Safety & Control Services, Inc.

93 Ledge Road  
Seabrook, NH 03874

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### CALIBRATION

ISO/IEC 17025 Accreditation Granted: **25 August 2026**

Certificate Number: **AC-2079** Certificate Expiry Date: **19 September 2028**

#### Ionizing Radiation

| Parameter/Equipment                            | Range                                                                              | Expanded Uncertainty of Measurement (+/-) | Reference Standard, Method, and/or Equipment                                     |
|------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------------------------------------------|
| Ionizing Radiation Exposure Rate, Dose Rate    | (100 $\mu$ to 1.6) R/hr<br>(100 $\mu$ to 1.6) rem/hr<br>1 $\mu$ Sv/hr to 16 mSv/hr | 6 % of reading                            | Comparison to Cs-137 Beam Source<br>ANSI N323AB-2013<br>ANSI N322-1997           |
| Integrated Exposure and Integrated Dose        | Up to 16 R, 16 rem or 160 mSv                                                      | 6 % of reading                            |                                                                                  |
| Ionizing Radiation Exposure Rate, Dose Rate    | (1 m to 20 k) R/hr<br>(1 m to 20 k) rem/hr<br>(10 $\mu$ to 200) Sv/hr              | 2.7 % of reading                          | Comparison to Cs-137 Box Source<br>ANSI N323AB-2013<br>ANSI N322-1997            |
| Integrated Exposure and Integrated Dose        | Up to 200 kR, 200 krem or 2 kSv                                                    | 2.7 % of reading                          |                                                                                  |
| Neutron Ionizing Radiation Dose Rate           | (6 to 120) mrem/hr                                                                 | 9.2 % of reading                          | Comparison to Plutonium-Beryllium Source, HAWK TEPC<br>ANSI N323AB-2013, ICRP 26 |
| Neutron Ionizing Radiation Dose Rate           | (7 to 200) mrem/hr                                                                 | 9.4 % of reading                          | Comparison to Plutonium-Beryllium Source, HAWK TEPC<br>ANSI N323AB-2013, ICRP 60 |
| Dose Rate, Exposure Rate-Electrical Simulation | 10 $\mu$ R/hr to 10 R/hr                                                           | 3.4 % of reading                          | Comparison to Ludlum Model 500 Pulsing Station                                   |

## Ionizing Radiation

| Parameter/Equipment                                                                                     | Range                                  | Expanded Uncertainty of Measurement (+/-) | Reference Standard, Method, and/or Equipment                                             |
|---------------------------------------------------------------------------------------------------------|----------------------------------------|-------------------------------------------|------------------------------------------------------------------------------------------|
| Count Rate Instruments-<br>Electrical Simulation                                                        | (1 to $9.99 \times 10^6$ ) cpm         | 3.4 % of reading                          | Comparison to Ludlum<br>Model 500 Pulsing Station                                        |
| Alpha Detection                                                                                         | (0.01 to 1) Efficiency                 | 10 % of reading                           | Comparison to Alpha<br>Standard Source-(2.2 to $5.9 \times 10^4$ ) dpm                   |
| Beta Detection                                                                                          | (0.01 to 1) Efficiency                 | 10 % of reading                           | Comparison to Beta<br>Standard Source-(2.8 to $4.4 \times 10^5$ ) dpm                    |
| Gamma Detection                                                                                         | (0.01 to 1) Efficiency                 | 10 % of reading                           | Comparison to Gamma<br>Standard Source-( $4.4 \times 10^3$<br>to $1.7 \times 10^6$ ) dpm |
| Radiation protection —<br>Sealed radioactive sources —<br>Leakage Test<br>Alpha Sources<br>Beta Sources | ( $1 \times 10^6$ to 1) $\mu\text{Ci}$ | 25 % of reading<br>44 % of reading        | Comparison to Tennelec<br>LB5100 Low Background<br>Alpha/Beta Counting<br>System         |

Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and reference standard, method, and/or equipment. The expanded uncertainty of measurement is expressed as the standard uncertainty of the measurement multiplied by a coverage factor of 2 ( $k=2$ ), corresponding to a confidence level of approximately 95%.



Jason Stine, Vice President