



# 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).

Jason Stine, Vice President

Expiry Date: 19 September 2026

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  
Christofer Krueger 603-474-6722  
Email: crkrueger@radsafety.com Website: www.radsafety.com

### CALIBRATION

Valid to: September 19, 2026

Certificate Number: AC-2079

#### 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 (100 $\mu$ to 1.6) rem/hr 1 $\mu$ Sv/hr to 16 mSv/hr	6 % of reading	Cs-137 Beam Source ANSI N323AB-2013 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 (1 m to 20 k) rem/hr (10 $\mu$ to 200) Sv/hr	2.7 % of reading	Cs-137 Box Source ANSI N323AB-2013 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	Plutonium-Beryllium Source, HAWK TEPC ANSI N323AB-2013, ICRP 26
Neutron Ionizing Radiation Dose Rate	(7 to 200) mrem/hr	9.4 % of reading	Plutonium-Beryllium Source, HAWK TEPC ANSI N323AB-2013, ICRP 60
Dose Rate, Exposure Rate-Electrical Simulation	10 $\mu$ R/hr to 10 R/hr	3.4 % of reading	Ludlum Model 500 Pulsing Station
Count Rate Instruments-Electrical Simulation	(1 to 9.99 x 10 <sup>6</sup> ) cpm	3.4 % of reading	Ludlum Model 500 Pulsing Station
Alpha Detection	(0 to 1) Efficiency	10 % of reading	Alpha Standard Source-(2.2 to 5.9 x 10 <sup>4</sup> ) dpm
Beta Detection	(0 to 1) Efficiency	10 % of reading	Beta Standard Source-(2.8 to 4.4 x 10 <sup>5</sup> ) dpm

**Ionizing Radiation**

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Gamma Detection	(0 to 1) Efficiency	10 % of reading	Gamma Standard Source- ( $4.4 \times 10^3$ to $1.7 \times 10^6$ ) dpm
Radiation protection — Sealed radioactive sources — Leakage Test Alpha Sources Beta Sources	( $1 \times 10^6$ to 1) $\mu\text{Ci}$	25 % of reading 44 % of reading	Tennelec LB5100 Low Background Alpha/Beta Counting 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%.

Notes:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-2079.



Jason Stine, Vice President

