



CERTIFICATE OF ACCREDITATION

ANSI-ASQ National Accreditation Board

500 Montgomery Street, Suite 625, Alexandria, VA 22314, 877-344-3044

This is to certify that

Radiation Safety & Control Services, Inc.
91 Portsmouth Ave.
Stratham, NH 03885

has been assessed by ANAB
and meets the requirements of international standard

ISO/IEC 17025:2005

while demonstrating technical competence in the field of

CALIBRATION

Refer to the accompanying Scope of Accreditation for information regarding the types of calibrations to which this accreditation applies.

AC-2079

Certificate Number


ANAB Approval

Certificate Valid: 09/19/2016-09/19/2018
Version No. 001 Issued: 09/19/2016



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. 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 January 2009).



ANSI-ASQ National Accreditation Board

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Radiation Safety & Control Services, Inc.

91 Portsmouth Ave.
Stratham, NH 03885

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CALIBRATION

Valid to: September 19, 2018

Certificate Number: AC-2079

Radiation Detection Instrument Calibration

| Parameter/ Equipment | Range | Calibration and Measurement Capability [Expressed as Uncertainty(±)] | Reference Standard or Equipment | Methods |
|---|---|---|--|------------------------------------|
| Ionizing Radiation Dose Rate, Exposure Rate | (100 μ to 1.6) R/hr (100 μ to 1.6) rem/hr (1 μ to 16 m) Sv/hr | 6 % of reading | NIST Traceable Cs-137 Beam Source | ANSI N323AB-2013 ANSI N322-1997 |
| Integrated Dose and Integrated Exposure ^{1,2} | Up to 16 R, 16 rem or 160 mSv | 6 % of reading | | |
| Ionizing Radiation Dose Rate, Exposure Rate | (1 m to 20 k) R/hr (1 m to 20 k) rem/hr (10 μ to 200) Sv/hr | 2.7 % of reading | NIST Traceable Cs-137 Box Source | ANSI N323AB-2013 ANSI N322-1997 |
| Integrated Dose and Integrated Exposure ^{1,2} | Up to 200 kR, 200 krem or 2 kSv | 2.7 % of reading | | |
| Ionizing Radiation Dose Rate | (1 m to 14 m) rem/hr | 9.4 % of reading | NIST Traceable Americium: Beryllium Source | ANSI N323AB- 2013, ICRP 26 |
| Integrated Dose ^{1,2} | Up to 1.34 rem | 9.4 % of reading | | |



| | | | | |
|--------------------------------|--------------------------|------------------|--|---------------------------|
| Ionizing Radiation Dose Rate | (1 μ to 20 m) rem/hr | 9.4 % of reading | NIST Traceable Americium: Beryllium Source | ANSI N323AB-2013, ICRP 60 |
| Integrated Dose ^{1,2} | Up to 1.92 rem | 9.4 % of reading | | |

- Notes:**
1. Calibration and Measurement Capabilities (Expanded Uncertainties) are based on approximately a 95% confidence interval, using a coverage of k=2.
 2. Individuals performing radiation detection instrument calibration are authorized by the State of New Hampshire, Department of Public Health Services to perform calibration of radiation detection instruments under License 381R.
 3. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-2079



Vice President

