CERTIFICATE OF ACCREDITATION

ANSI National Accreditation Board

11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

Radiation Safety & Control Services, Inc.

93 Ledge Road
Seabrook, NH 03874

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 activities to which this accreditation applies

AC-2079
Certificate Number

ANAB Approval

Certificate Valid Through: 09/19/2020
Version No. 003 Issued: 03/01/2019

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 April 2017).

ANSI National Accreditation Board

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Radiation Safety & Control Services, Inc.

93 Ledge Road
Seabrook, NH 03874
Joan Ervey 603-778-2871 ext: 223
Email: jeervy@radsafety.com Website: www.radsafety.com

CALIBRATION

Valid to: **September 19, 2020** Certificate Number: **AC-2079**

Ionizing Radiation

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
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	Cs-137 Beam Source NSI N323AB-2013 ANSI N322-1997
Integrated Dose and Integrated Exposure[1]	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	Cs-137 Box Source NSI N323AB-2013 ANSI N322-1997
Integrated Dose and Integrated Exposure[1]	Up to 200 kR, 200 krem or 2 kSv	2.7 % of reading	
Ionizing Radiation Dose Rate Integrated Dose[1]	(2 to 14) mrem/hr Up to 1.34 rem	9.4 % of reading 9.4 % of reading	Americium: Beryllium Source, HAWK TEPC ANSI N323AB-2013, ICRP 26
Ionizing Radiation Dose Rate Integrated Dose[1]	(2 to 20) mrem/hr Up to 1.92 rem	9.4 % of reading 9.4 % of reading	Americium: Beryllium Source, HAWK TEPC ANSI N323AB-2013, ICRP 60

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

Vice President