CERTIFICATE OF ACCREDITATION

ANSI-ASQ National Accreditation Board

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

This is to certify that

Occupational Services Incorporated (OSI)
6397 Nancy Ridge Drive
San Diego, CA 92121

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

ISO/IEC 17025:2005

and national standard

ANSI/NCSL Z540-1-1994

while demonstrating technical competence in the field of

TESTING & CALIBRATION

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

ACT-1764
Certificate Number

ANAB Approval

Certificate Valid: 02/16/2017-03/05/2019
Version No. 003 Issued: 02/16/2017

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).

SCOPE OF ACCREDITATION TO
ISO/IEC 17025:2005 & ANSI/NCSL Z540-1-1994

Occupational Services Incorporated (OSI)

6397 Nancy Ridge Drive San Diego, CA 92121
www.occserv.com
Nicola Rinaldi (Technical Manager) Phone: 858-558-6736 Email: nick@occserv.com
Linda Bray (Quality Manager) Phone: 619-518-1662 Email: linda@occserv.com

TESTING AND CALIBRATION

Valid to: March 5, 2019 Certificate Number: ACT- 1764

Testing

Environmental

FIELD OF TEST	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	*KEY EQUIPMENT OR TECHNOLOGY
Ionizing Radiation[1.6]	Ionizing Radiation Detection Devices and Radioactive Materials	Functional Tests of Response to Radiation, Alarm Activation, Background Radiation Levels, Presence of Radioactive Materials, Leak Testing of Sealed Sources.	No. SSG-17, IAEA Safety Standards, Specific Safety Guide for Control of Orphan Sources and Other Radioactive Material in the Metal Recycling and Production Industries. ANSI N323A-1997, American National Standard Radiation Protection Instrumentation Test and Calibration, Portable Survey Instruments	Radiation Check Sources, Pulsers, Multimeters, NaI Multichannel Analyzers, Liquid Scintillation Counter, Automated Gamma Counter, Gas Flow Proportional Detectors

Environmental

FIELD OF TEST	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	*KEY EQUIPMENT OR TECHNOLOGY
Biological Safety Cabinet Field Testing[3,7]	Biological Safety Cabinets	Downflow Velocity Profile, Inflow Velocity Profile, Airflow Smoke Patterns, HEPA/ULPA Filter Leak Test, Site Installation Assessment, Cabinet Integrity, Lighting Intensity, Vibration, Noise Level and Electrical Leakage, Ground Circuit Resistance and Polarity Tests	NSF/ANSI 49, "Biosafety Cabinetry: Design, Construction, Performance, and Field Certification, Annex F"	Thermal Anemometer, Direct Inflow Measurement Instrument, Aerosol Photometer, Laskin Nozzle Aerosol Generator, Pressure Gauge, Manometer, Portable Photoelectric Illumination Meter, Vibration Analyzer, Sound Level Meter
Laminar Flow[7]	Laminar Flow Devices, Clean Benches	Airflow Velocity, HEPA/ULTA Leak and Back-Streaming Tests, Airborne Particle Count, Exhaust Flow, Filter Differential Pressure, Lighting Level, Noise Level, Vibration, Electrical Leakage, Ground Circuit Resistance and Airflow Patterns	IEST RP CC002.3 "Unidirectional-Flow, Clean-Air Devices"	
Clean Room Particle Concentration[7]	Areas, Rooms	Particle Concentration	ISO 14644-1, "Cleanrooms and Associated Controlled Environments —Part 1: Classification of Air Cleanliness"	HACH Met One or Equivalent Particle Counter
Fume Hood Field Testing[7]	Fume Hoods	Flow Rate, Alarm Test	California Code of Regulations, Title 8, Section 5154.1	Thermal Anemometer, Velocity Meter

500 Montgomery St. Suite 625 | Alexandria, VA 22314 | 703-836-0025 | www.anab.org

Calibration

Ionizing Radiation - Radiation Detection Instrument Calibration

PARAMETER / EQUIPMENT	RANGE	CALIBRATION & MEASUREMENT CAPABILITY [EXPRESSED AS UNCERTAINTY(±)]	REFERENCE STANDARD OR EQUIPMENT	METHOD(S)
Ionizing Radiation Dose Rate, Exposure Rate, Integrated Dose and Integrated Exposure[1,4,6]	(0.000025 to 10) R/hr (0.000025 to 10) rem/hr (0.0025 to 0.1) Sv/hr (0.01 to 100) R (0.001 to 100) rem (0.0001 to 1) Sv	5 % of reading	NIST Traceable Cs-137 Source	ANSI N323a-1997, "American National Standard Radiation Protection Instrumentation Test and Calibration, Portable Survey Instruments"
Ionizing Radioactivity Level[1,4,6]	(50 to 10 000 000) cpm (counts per minute)	5 % of reading	Ludlum 500 Series Pulser or Equivalent.	

Notes:

1. Individuals performing radiation detection instrument calibration or sealed source leak testing are authorized by the State of California Department of Public Health to perform calibration of radiation detection instruments and sealed source leak testing under License 5149-37.
2. For standards or methods listed on the scope of accreditation without a revision date, laboratories are expected to be competent in the use of the current version within one year of standard or method publication update (or by the authorized use date of a recognition body or regulatory agency). When an older standard or method is required for an accredited test, the scope will include the superseded date/version if lab demonstrated to be enveloped by and within the limits of the listed tests and the general controls enveloped in ISO/IEC 17025 Accreditation.
3. Testing to NSF/ANSI 49, "Biosafety Cabinetry: Design, Construction, Performance, and Field Certification, Annex F" is either performed by or reviewed by NSF certified personnel.
4. Calibration and Measurement Capabilities (Expanded Uncertainties) are based on approximately a 95% confidence interval, using a coverage of k=2.
5. 5 The management system requirements in ISO/IEC 17025:2005 (Section 4) are written in language relevant to laboratory operations and meet the principles of ISO 9001:2008 Quality Management Systems - Requirements and are aligned with its pertinent requirements.
6. Testing of ionizing radiation detection instruments is done in house and in field.
7. Consistent with Biological Safety Cabinet Field Testing to NSF/ANSI 49, physical tests are conducted on-site leading to a Test Report including a statement defining the standard used, i.e., "NSF/ANSI 49" with the appropriate year of the standard.
8. This scope is formatted as part of a single document including the Certificate of Accreditation No. ACT-1764.

Vice President

500 Montgomery St. Suite 625 | Alexandria, VA 22314 | 703-836-0025 | www.anab.org