



# 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 (R2002)

while demonstrating technical competence in the fields of

## CALIBRATION & TESTING

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

ACT-1764

Certificate Number

  
ANAB Approval

Certificate Valid: 02/05/2018-03/05/2019  
Version No. 004 Issued: 02/05/2018



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).



**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005  
AND ANSI/NCSL Z540-1-1994 (R2002)**

**Occupational Services Incorporated (OSI)**

6397 Nancy Ridge Drive  
San Diego, CA 92121

[www.occserv.com](http://www.occserv.com)

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**TESTING AND CALIBRATION**

Valid to: **March 5, 2019**

Certificate Number: **ACT-1764**

**Testing**

**Ionizing Radiation**

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
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**

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
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”	Direct Inflow Measurement Instrument, Aerosol Photometer, Laskin Nozzle Aerosol Generator, Pressure Gauge, Manometer, Portable Photoelectric Illumination Meter, Vibration Analyzer, Sound Level Meter
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”	Direct Inflow Measurement Instrument, Aerosol Photometer, Laskin Nozzle Aerosol Generator, Pressure Gauge, Manometer, Portable Photoelectric Illumination Meter, Vibration Analyzer, Sound Level Meter
Clean Room Particle Concentration <sup>7</sup> 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 <sup>7</sup>	Flow Rate, Alarm Test	California Code of Regulations, Title 8, Section 5154.1	Thermal Anemometer, Velocity Meter

**Calibration**

**Ionizing Radiation**

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Ionizing Radiation Dose Rate, Exposure Rate, Integrated Dose and Integrated Exposure <sup>1,4,6</sup>	(0.000 025 to 10) R/hr (0.000 025 to 10) rem/hr (0.002 5 to 0.1) Sv/hr  (0.01 to 100) R (0.001 to 100) rem (0.000 1 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 Radiation**

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Ionizing Radioactivity Level <sup>1,4,6</sup>	(50 to 10 000 000) cpm (counts per minute)	5 % of reading	Ludlum 500 Series Pulser or Equivalent. ANSI N323a-1997, "American National Standard Radiation Protection Instrumentation Test and Calibration, Portable Survey Instruments"

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 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%.
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 Certificate of Accreditation No. ACT-1764.

  
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 Vice President

