Environmental Diagnostics Laboratory (EDLab), a division of Pure Air Control Services, Inc. (PACS) is pleased to present our Statement of Qualifications for your review. Our services are offered to both the public and private sectors, from entities as large as federal government agencies to small businesses and individuals. We are a solution-oriented company with a well-deserved reputation for implementing innovative and comprehensive laboratory services, especially for Indoor Environment/ Air Quality projects. EDLab is committed to providing laboratory services that fully meet or exceed customer expectations in a cost effective manner.
About EDLab
The Environmental Diagnostics Laboratory (EDLab) was founded in 1994 in Clearwater, Florida, USA with an intent to provide environmental sample testing services to the end user. This state of the art laboratory has analyzed over 250,000 environmental samples which have been collected from air, surfaces and liquids for allergens, microbes, chemicals and other constituents that are important in understanding our ambient environments.

EDLab utilizes cutting-edge technologies to test various environmental samples. The results assist in understanding the quality of the environment from where the samples were collected. The unique combination of well-trained staff and a complete range of analytical technologies make EDLab one of the premier environmental laboratories with a national and international reputation.

All the testing performed in the laboratory, or its affiliates, produces the highest quality data, strengthened by both external and internal quality assurance programs along with compliance in international standards such as ISO/IEC 17025:2005. The entire team of qualified professionals at EDLab are passionate and flexible in sharing their experience with customers to maximize the benefit of data interpretation.

This laboratory is open to the public for their environmental testing needs. It is a full service, environmental laboratory that provides testing for a wide range of samples collected from the environment. We perform microbiological, chemical and ecological studies as per the customer’s need, ranging from health and hygiene to product efficacy and regulatory compliance.

Our mission is to “Exceed Expectations” by providing Advanced, Innovative and Affordable environmental sample testing services.
SERVICES PROVIDED

Analytical Capabilities
EDLab provides a broad and comprehensive range of testing services to examine samples for microbiological, chemical and environmental contamination collected from a variety of environmental sources. The laboratory is capable of providing specialty analytical services for air, surface liquid samples to examine microorganisms, chemicals and other constituents for their quality evaluation. The standardized methodologies, techniques and adequate quality procedures make this laboratory capable of providing necessary data to the customer in a timely manner. EDLab assures the integrity of data produced adheres to industry best practices, proven scientific principles and specified protocols.

EDLab Services include

- **Aerobiology**
  - Bacteria
  - Fungi/Mold
  - Pollen Grains
  - Other airborne particulate
- **Mycology**
  - Molds
  - Yeasts
  - Thermophilic
- **Bacteriology**
  - Aerobic
  - Anaerobic
  - Thermophilic
- **Microscopy**
  - Bright field
  - Fluorescent
  - Phase Contrast
- **Legionella**
  - Non-Culture
  - Culture
  - Molecular (PCR)
- **Immunassay**
  - Endotoxin
  - Exotoxin
  - Mycotoxin
  - Allergens
- **Volatile Organic Compounds (VOCs)**
- **Radon**
- **Asbestos/Lead**
- **Gravimetric Analysis**
- **USP797 Testing Services**
- **Efficacy Testing for Products**
- **Expert Testimony**
- **Other Environmental Sample Testing**

Services Explained
EDLab has been providing environmental sample testing since 1994 to end users to meet their project objectives, either by the correct standard analytical procedure or developing a modified method that suits the specific goals with the highest levels of accuracy and quality within the framework of scientific principles. This laboratory provides sound data backed up by an extensive quality assurance and quality control program in a timely manner. We adhere to the ISO 17025 standards mandated by legal requirements and recognized published methods. The data produced by the laboratory assists its customers in indoor air/environment quality assessments, regulatory compliances (e.g. LEED, USP797, etc.) and efficacy of a product designed for a specific task.

Microbiology Services
EDLab offers a complete line of analytical services for identification of aerobic, anaerobic and thermophilic bacteria from air, surface liquid samples. Environmentally important pathogenic organisms such as *E. coli*, *Pseudomonas*, MRSA, *Legionella*, etc., are tested from environmental samples on a routine basis. Our mycological testing includes filamentous fungi/molds, yeast and thermophilic fungi from a variety of environmental samples collected via impaction, spore trap, surface imprint, bulk, swab, wipe, liquid, etc. Mycotoxin and endotoxin testing services are also available for environmental samples.

Allergen Testing Services
EDLab offers airborne and surface-borne testing for allergens such as molds, pollen grains, fibers, plant trichomes, skin cells, inorganic & organic particulate matters and other air and surface borne particulate identification services from environmental samples by using light microscopy. We assist end users with enumeration of mite, cockroach, mouse, rat, feline, canine, equine, etc. allergens in house dust samples.

Miscellaneous Services
This laboratory assists customers in obtaining environmental chemistry services for Volatile Organic Compounds, Formaldehyde, Asbestos and other chemicals from environmental samples. We accept projects for efficacy evaluation on products or technologies.

Technical Staff
We retain a multidisciplinary team that includes a PhD aerobiologist, public health specialist, microbiologist, mycology specialist, chemist, Q/A specialist, database administrator, and other technicians that are capable of addressing a wide range of customer issues.

Reporting
Data generated during a project is presented to the customer via standard electronic delivery (email, etc.) and/or a physical, hard copy report. This laboratory uses a proprietary Laboratory Information Management System (LIMS) to generate laboratory reports based on analytical findings with that of relevant field information provided by the end users, specifically on each of the samples analyzed. Our reports are self-explanatory, using color legends, analytical figures, method of analysis, limit of detection, glossary of terms, charts and graphs, QC statements and other relevant documentation. A highly professional, trained team of staff maintains communication with end users, respecting customer confidentiality on each project. We also render more comprehensive reporting on laboratory generated data as per the requirements of the project.
Quality Assurance
EDLab maintains a strict internal and external quality control/assurance (QA) Program for maintaining the accuracy and validity of each and every test performed by the laboratory. The QA Program is designed to meet or exceed the requirements set forth in the ISO 17025 guidelines, and by our customers. Method-specific QA/QC requirements are addressed within EDLab’s Standard Operating Procedures (SOP’s). SOP’s are written for all aspects of the laboratory operations from sample check-in through sample disposal. The QA Program is under the direct supervision of Dr. Rajiv Sahay, a world renowned aerobiologist.

QA Policy Statement
Our Laboratory, Staff and Analytical Services will

• Meet or exceed our customer expectations
• Be accurate and timely
• Meet or exceed all applicable federal, state, and local regulatory requirements
• Continuously improve equipment/instrumentation, SOP’s, methods and administrative/managerial activities
• Seek only highly qualified individuals for employment opportunities as they arise
• Conduct annual internal assessments of the QA program and laboratory management
• Maintain and make continuous improvements to our state-of-the-art information management system for sample tracking, scheduling, and reporting

Quality Control
Samples are analyzed periodically in compliance with laboratory quality assurance program.

Proficiency Testing
Ongoing participation in third party proficiency testing programs. EDLab also participates in the CDC ELITE Program*.

Round Robin
Pan-American Aerobiological Association’s (PAAA) exchange program and ongoing round robin with other EMPAT laboratories for fungal spore trap analysis.

Staff Training
Blind Sample, Method Blank Sample, Duplicate Sample, Replicate Sample, Spiked Sample, Positive Control Sample, Negative Control Sample, Split Sample and Standard/Reference Sample. In accordance with LQAP Policy.

Record Retention Policy
EDLab has a formal record retention policy in its Quality Assurance Manual that outlines the period of time various record types, both hard copy and electronic data are maintained and archived. Access to archives is securely controlled and documented.

*Center for Disease Control Environmental Legionella Isolation Technique Evaluation Program.
Customers and Projects

EDLab understands that customers intend to purchase a service that meets their expectations as per their requirements. To address the customer needs, we provide accurate and appropriate analytical services in a timely manner. The outcome is beneficial to customers for defining scope of work, levels of worker and occupant protection, as well as remediation plans, if any.

We also understand that our reputation and success are directly related to our technical staff. And as such, we retain a multidisciplinary team that includes Ph.D. aerobiologist, microbiologist, engineer, industrial hygienist, biologist, chemist, public health specialist and technicians that are capable of addressing a wide range of customer issues.

Our customers are from the public and private sectors and include Fortune 500 companies along with all types of Governmental or Nongovernmental establishments.

Customer Confidentiality

All lab samples and assignments received by EDLab are confidential respecting customer-laboratory privilege. Thus, all data and sample materials collected and results obtained are held in confidence, subject to disclosure required by law or legal process. EDLab does not release data or reports to any third party without a consent from the customer.

EDLab - Your trusted, scientific solution for Indoor Environment/Air Quality Concerns

Customer and Project Highlights

Building Health Check, LLC
Analysis and reporting on different conditional samples collected with BHC, LLC Test Kits sent in from their global customer base.

U.S. Dept. of Veteran Affairs
Critical microbiological analysis and reporting on samples collected for concerns around building hygiene and Legionella.

Waterhouse Corporation
Microbiological analysis for Legionella in environmental samples collected by Waterhouse for their customers.

Education and Training

EDLab is a leader in indoor air quality training and offers a variety of customized IAQ training programs. Our IAQ programs promote awareness, education and certification for professionals. We offer training online and on-site in locations throughout the United States.

Approved Independent Course Provider

- State of Florida Department of Business and Professional Regulation Board
- CILB Provider # 04P0349
- American Council for Accredited Certification (ACAC)

EDLab Testimonial

Florida Department of Health
“Fast, efficient, cost effective and reliable are the words that come to mind when using your Environmental Diagnostics Laboratory. In the current conditions of an unregulated IAQ industry, it is a pleasure to deal with a professional indoor air quality organization.”

- Environmental Specialist II
CREDENTIALS AND CONTRIBUTIONS

Certificates, Licenses and Schedules

- Small Business Administration (SBA) Minority Business Enterprise (MBE)
- General Services Administration (GSA) MAS FSS Contract No. GS-10F-0488R on SINS 899-1, 2
- New York State Department of Health ELAP Lab #12086
- CDC Elite Program Participant

Industry Contributions

- Forensic Testimony: Expert testimony provided in over 80 indoor air quality legal cases.
- “10-Year Study – Air Quality Guidelines Established for Microbial Assessment of Residential and Commercial Buildings” - Presented at the AIHA Expo, Anaheim, CA 2005
- “Dynamics of Surficial Mold in Indoor Environments” - Presented at the National Conference on Aerobiology, Imphal, India, and AHIA Conference ,Toronto, Canada 2009
- “The Micro Review” - Writer and Publisher

Industry Recognitions

- 2005 Frost & Sullivan Award for Innovation
- 2008 Top Hispanic Business Award
- 2016 Top 25 Tampa Hispanic Business Award
- 2016 Gulf Coast 500 Award for Growth
- 2016 FAST Florida 100, FAST 50 Tampa Awards
- 2016 Inc. Magazine 5000 Award for Growth

For more information please visit www.edlab.org