

## FOR IMMEDIATE RELEASE:

### AquiSense Achieves US-EPA Disinfection Validation and NSF 61 Certification for Groundbreaking LED Ultraviolet Disinfection System

**KENTUCKY, US** — AquiSense, Incorporated, the leader in UV-C LED solutions, announced that its full-scale UV-C LED product, the Pearl Aqua Kilo™ has been awarded the NSF/ANSI/CAN 61-2024 certification and successfully completed the rigorous validation process required by the U.S. Environmental Protection Agency (EPA) UV Disinfection Guidance Manual (UVDGM). This dual achievement provides water utilities and industrial users with a new, highly effective tool for protecting public health.

“Achieving both UVDGM validation and NSF 61 certification is a major milestone not only for our company, but for the water treatment industry globally,” said Oliver Lawal, CEO at AquiSense. “This is not just a regulatory achievement; it’s a profound promise to the communities our customers serve. With these 3rd party validations, water operators can install the PearlAqua Kilo™ System with complete confidence, knowing they are deploying a solution that has been independently and stringently verified for both performance and material safety.”

The EPA UVDGM validation is the gold standard for validating UV reactor performance for large municipal drinking water applications. It scientifically proves that the PearlAqua Kilo™ reliably inactivates harmful, chlorine-resistant microorganisms like *Cryptosporidium* and *Giardia* under a wide range of water quality and operational conditions. The rigorous testing was conducted by an independent third party and confirmed the system’s ability to consistently deliver the required UV Dose.

The NSF mark, issued by the National Sanitation Foundation and verified by IAPMO Research and Testing, certifies the safety and performance of products in contact with drinking water, ensuring these products are manufactured with materials that are safe. Products that are certified as meeting NSF/ANSI/CAN 61-2024 standards have been rigorously tested and meet the criteria for use in public water supply systems. This standard is recognized and enforced by regulatory agencies across North America and globally. It is a requirement for many municipal and industrial projects.

“Our commitment to safety, innovation, and quality products is a priority,” says Jennifer Pagan, AquiSense CTO. “Validation is an important component to innovation, and we are proud to provide certified LED solutions to serve municipal and industrial markets, ensuring broader market access and competitive advantages for mercury free drinking water applications.”

Key features and benefits of the Pearl Aqua Kilo system includes:

- **Proven Performance:** UVDGM validation provides assurance of effective disinfection against harmful pathogens for large-scale water treatment plants.
- **Enhanced Public Safety:** NSF 61 certification guarantees that the system’s materials are safe for use in drinking water applications, ensuring consumer protection.
- **Operational Excellence:** The system is designed for ease of use and maintenance, with advanced monitoring features that ensure compliance and consistent performance.
- **Sustainable Solution:** The Kilo offers a chemical and mercury-free disinfection method, aligning with a growing demand for sustainable water treatment practices.

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## About the NSF/ANSI/CAN-61 Mark

NSF/ANSI/CAN-61 is a North American standard that establishes health-based criteria for materials and products in contact with drinking water, ensuring they don't leach harmful contaminants. Products undergo rigorous third-party testing to confirm they meet safety thresholds for metals, non-metals, and other leachables, providing confidence in the safety and integrity of drinking water systems.

## About the U.S. Environmental Protection Agency (EPA) UV Disinfection Guidance Manual (UVDGM)

The United States Environmental Protection Agency has a mission to protect human health and the environment and works to have clean air, land and water for all Americans. The Ultraviolet Disinfection Guidance Manual provides technical guidance for the application of ultraviolet light for the disinfection of drinking water by public water systems.

## About AquiSense

AquiSense stands as the global leader in UV-C LED systems design and manufacturing, delivering innovative solutions for water, air, and surface disinfection. As the world's largest supplier of UV LED disinfection systems, we are committed to protecting public health through chemical-free, mercury-free technology.

With decades of collective experience in UV disinfection, our team brings together deep expertise in UV LED research, reactor design, and engineering. This comprehensive knowledge enables us to develop the industry's most advanced, energy-efficient disinfection systems while maintaining the highest safety standards.

Our strategic position between LED device manufacturers and market-specific original equipment manufacturers (OEMs) allows us to serve as a crucial bridge in the UV LED market, delivering tailored solutions across multiple industries.

AquiSense, Inc. is a privately held company. For more information about AquiSense products, visit the company's website at: <https://aquisense.com/>

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