

Certified Performance of
Drinking Water Treatment Equipment



NSF International

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“The certification by NSF is a validation of our membranes’ innovation and the quality of our membranes in delivering cleaner, safer drinking water for our customers.”

Olivia Lum
Hyflux Ltd.



Overview

In this day and age where water utility personnel are under constant pressure to keep costs low and efficiency high, they often rely on third-party organizations as a trusted source to help keep their operations running safely and smoothly.

For over 50 years, NSF International has been trusted by water utilities to develop industry standards, and test and certify treatment products to ensure they do not create adverse health effects in finished water. Now NSF introduces **The NSF Public Drinking Water Equipment Performance Certification Program (PDWEP)**, which tests and certifies the performance of water treatment products.

This program is based on the NSF Guideline for Public Drinking Water Equipment Performance, which establishes performance requirements in the treatment and

production of drinking water, referencing the requirements such as the EPA’s Long Term 2 Enhanced Surface Water Treatment Rule (LT2ESWTR).

Certification to this program demonstrates compliance to federal testing requirements but also adds a unique audit component, to prove that products are manufactured using recommended methods and processes.

Manufacturers can now have *Cryptosporidium* inactivation or microbial and virus reduction claims validated by NSF, in addition to the routine NSF/ANSI Standard 61 testing for health effects – and all under one roof. Water utilities will appreciate having claims certified by NSF, as it leaves no doubts to their validity.

Product Types

This NSF program applies to equipment used in the treatment or production of drinking water in EPA-defined Public Water Supplies, such as:

- Microfiltration membranes
- Ultrafiltration membranes
- Nanofiltration and Reverse Osmosis membranes
- Ultraviolet (UV) reactors
- Bag and cartridge filters
- Other products used in the treatment or production of drinking water

Program Benefits

- Demonstrates manufacturer’s commitment to quality and willingness to go above and beyond minimum requirements
- Program designed to ensure continued product quality, year after year
- Certified products are listed in the NSF online product database, a resource for thousands of utility personnel and specifying engineers

Contact Us

For more information about the NSF Public Drinking Water Equipment Performance Certification Program, please contact NSF at 734.769.8010 (tel), visit www.nsf.org/info/pdwep, or email us at pdwep@nsf.org.



“By securing this third-party performance testing, Dow is better positioned to ensure the quality of our Dow™ SFD-2880 modules for meeting the needs of the municipal/potable water market.”

Timothy Wood
Dow Water & Process Solutions

Five Easy Steps

This certification program has five easy steps:

- 1 Application** - manufacturers apply for certification, providing product details.
- 2 Testing** - NSF performs validation testing to demonstrate compliance with EPA protocols.
- 3 Inspection** - an NSF auditor visits the manufacturing facility and performs an inspection to ensure products and processes meet established quality control requirements and other non-testing requirements of the LT2. This can be combined with the NSF 61 inspection to save time and cost.
- 4 Certification/Listing** - after all requirements are met, the certification is official, and the certified product is listed in the NSF online database at www.nsf.org/info/listings.
- 5 Continued Assurance** - every year following certification, NSF conducts another unannounced facility audit to ensure continued high quality. Products require re-validation if key components that effect the performance are changed.