



## NSF/ANSI 42 DRINKING WATER TREATMENT UNITS

### NSF/ANSI 42: Aesthetic Effects

NSF/ANSI 42 is one of two main NSF standards that set the benchmark for evaluating safety and integrity of residential water filters. NSF/ANSI 42 establishes the minimum requirements for the certification of POU/POE filtration systems designed to reduce specific aesthetic or non-health-related contaminants (chlorine, taste, odor and particulates) that may be present in public or private drinking water.

The scope of this standard includes material safety, structural integrity and aesthetic, structural integrity and aesthetic claims. The most common reduction claims addressed by this standard are chlorine, chloramines, iron, manganese, hydrogen sulfide, pH neutralization and zinc reduction. In addition, products certified only as components are found under NSF/ANSI 42 and are evaluated for material safety and, if pressure bearing, structural integrity.

## NSF/ANSI 61

If you manufacture, sell or distribute water treatment or distribution products in North America, your products are required to comply with NSF/ANSI 61: Drinking Water System Components – Health Effects by most governmental agencies that regulate drinking water supplies. Developed by a team of scientists, industry experts and key industry stakeholders, NSF/ANSI 61 sets health effects criteria for many water system components including:

- Protective barrier materials (cements, paints, coatings)
- Joining and sealing materials (gaskets, adhesives, lubricants)
- Mechanical devices (water meters, valves, filters)
- Pipes and related products (pipe, hose, fittings)
- Plumbing devices (faucets, drinking fountains)
- Process media (filter media, ion exchange resins)
- Non-metallic potable water materials



## **Benefits of NSF Certification:**

1. NSF International is a global, independent, public health and safety organization with a mission to protect and improve human health.
2. Dedicated staff in North America, Europe and Asia to assist in product certification.
3. Over 200,000 square feet of laboratory space with one of the largest drinking water treatment unit test facilities with the ability to perform full chemical, microbiological and physical testing.

## **Certification Process**

We distinguish ourselves due to our thorough product evaluation, but our certification process is simple and efficient. We assign you a dedicated NSF project manager as a single point of contact to guide you through the certification process and oversee your certification project every step of the way.

### **Seven Simple Steps to Certification:**

1. Your company submits an application.
2. You provide product formulation, toxicology and product use information.
3. Our toxicology department reviews formulations.
4. We perform a plant audit and sample collection.
5. Our laboratory conducts testing.
6. We complete a final toxicology evaluation.
7. We grant NSF certification for compliant products and you can use the NSF mark on products, packaging and marketing materials.

Our experts can help you reduce overall costs and expedite your time to market by bundling services and reducing the number of contracted service providers and facility audits.

Industry, By. "NSF/ANSI 61." *NSF RSS*. N.p., n.d. Web. 26 Oct. 2016. <<http://www.nsf.org/services/by-industry/water-wastewater/municipal-water-treatment/nsf-ansi-standard-61>>.

Industry, By. "NSF/ANSI 42 & 53." *NSF RSS*. N.p., n.d. Web. 26 Oct. 2016. <[https://www.nsf.org/newsroom\\_pdf/water\\_42\\_53\\_insert.pdf](https://www.nsf.org/newsroom_pdf/water_42_53_insert.pdf)>.