October 24, 2023

NSF Certification

How to Obtain and Maintain the Certification

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Welcome

AGENDA

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Who is NSF?

We are an organization who…

- is a developer of Public Health Standards that help protect the world's food, water, consumer products and the environment.
- is a third body certifier to these Public Health Standards.
- is comprised of professional engineers, microbiologists, toxicologists, chemists and public health experts to provide services in 180 countries across all major industries.

Our mission is to…

- improve human and planet health.
- develop uniform, consensus-based national standards by bringing together regulators, industry, consumers and public health experts.
    - Our scientists, engineers and public health professionals test to these standards or protocols.
    - We have more than 75 currently active public health and safety American National Standards and 95 published protocols for appliances, food equipment, drinking water filters and other products.

Standard Development Process

High-level Overview

Issue Papers

Submittal of proposed changes to a Std.

Task Groups

Issue paper goes to the associated Std.'s task group

Joint Committee

Proposed changes to the Std. from that issue paper are then voted on to then be published within the Std.

Task Groups and the Joint Committee are Comprised of…

Industry

Aerospace, Automotive, Building and Construction, Food, Chemical, Consumer Products, Pharmaceutical, Medical Device, Dietary Supplement, Water Distribution and Treatment, Sustainability

Regulators

USDA, EPA, FDA, CPHC, HC, and International, National, State, Local Government Agencies

Consumers

Educators and Consumer Groups

Active Wastewater Standards

- **NSF/ANSI Std. 40**
  - Residential Onsite Wastewater Treatment Systems
- **NSF/ANSI Std. 41**
  - Non-liquid Saturated Treatment Systems
- **NSF/ANSI Std. 46**
  - Grinder Pumps and Septic Tank Effluent Filters
- **NSF/ANSI Std. 245**
  - Residential Onsite Wastewater Treatment Systems for Nitrogen Reduction
- **NSF/ANSI Std. 350**
  - Onsite Wastewater Treatment Systems for Water Reuse
- **NSF/ANSI Std. 385**
  - Chlorination Devices, Ozone Devices and UV Disinfection Devices
- **Protocol 157**
  - Incinerating Toilet Systems
- **ISO 11143**
  - Dentistry – Amalgam separators

7 Simple Steps to NSF Certification

7 Step Process to Achieve NSF Certification:

- **Application**
  - T&C & CIF
- **Product Information Submittal**
  - PIF & CPL
- **Review**
  - Determine the best test representative for the Standard(s) selected
- **Onsite Audit**
  - Guide clients through an educational initial audit at the manufacturing facility while testing is underway

7 Step Process to Achieve NSF Certification (continued):

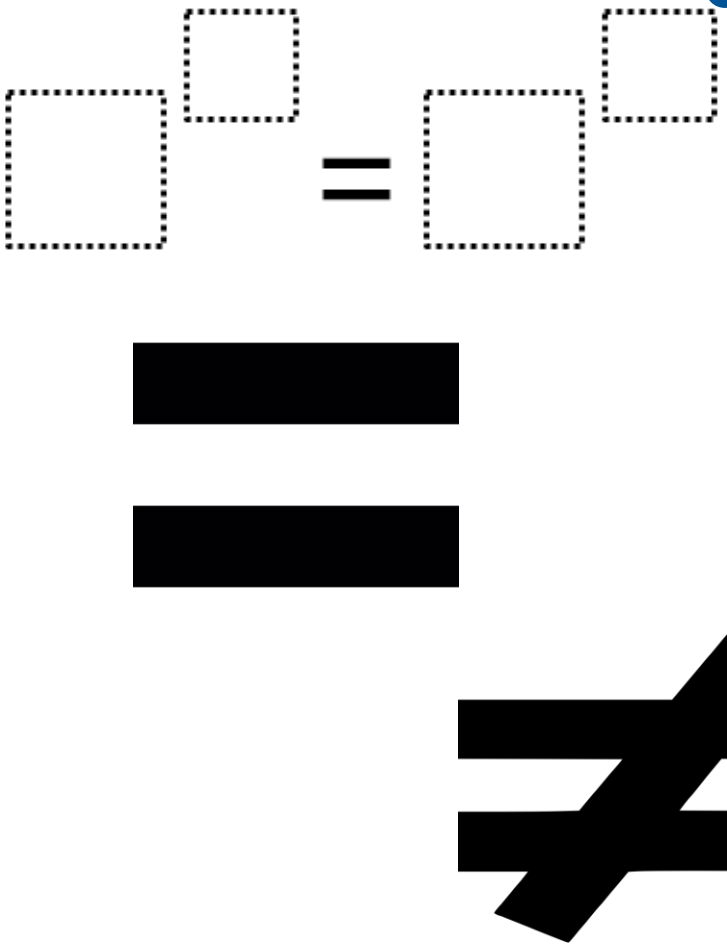
- **Testing**
  - Best test representative selected is installed or shipped to test facility location
- **Technical Evaluation**
  - All final reports go through an extensive QC (Quality Control) and peer review process to validate the quality of the data and information presented
- **Certification**
  - Testing has been completed with a passing result, all technical reviews are complete, and the initial audit was successful with all audit findings closed (if applicable)
  - NSF Official Listing page is updated every 24-48 hours, which is where the client's information and NSF certified system name will be published to demonstrates achievement to consumers

Technical Evaluations

New Product Technical Evaluation

- Account manager works with client on info gathering
- Account manager sends info to technical team
- Technical team performs extensive review based off product information submitted which includes parts/components
- Best test representative is chosen based off previous step and current version of the Std.
- Client is notified through EPSF (shipping form) of selected test representative

Product Modification Technical Evaluation



Account manager works with client on info gathering

Account manager sends info to technical team

Technical team performs extensive review based off the parts/components being modified/ changed

Technical team ensures that the products performance is not impacted from the modification/change and current version of the Std. is still being met

If the modification does impact the product and retesting is required, the client is notified through EPSF (shipping form) of test sample

Testing

Test Site Locations

Headquarters Location: Ann Abor, MI

- NSF/ANSI Std.'s 41, 46, 385, P157, and ISO 11143

Waco Location: Waco, Texas

- NSF/ANSI Std.'s 40, 245, 350, 46, 385

MASSTC Location: Sandwich, MA

- NSF/ANSI Std.'s 40, 245, 350

CAWT Location: Lindsay, ON

- CAN/BNQ 3680-600

PIA Location: Aachen, Germany

- NSF/ANSI Std.'s 40, 245, 350

Post Certification

How to Maintain the NSF Certification:

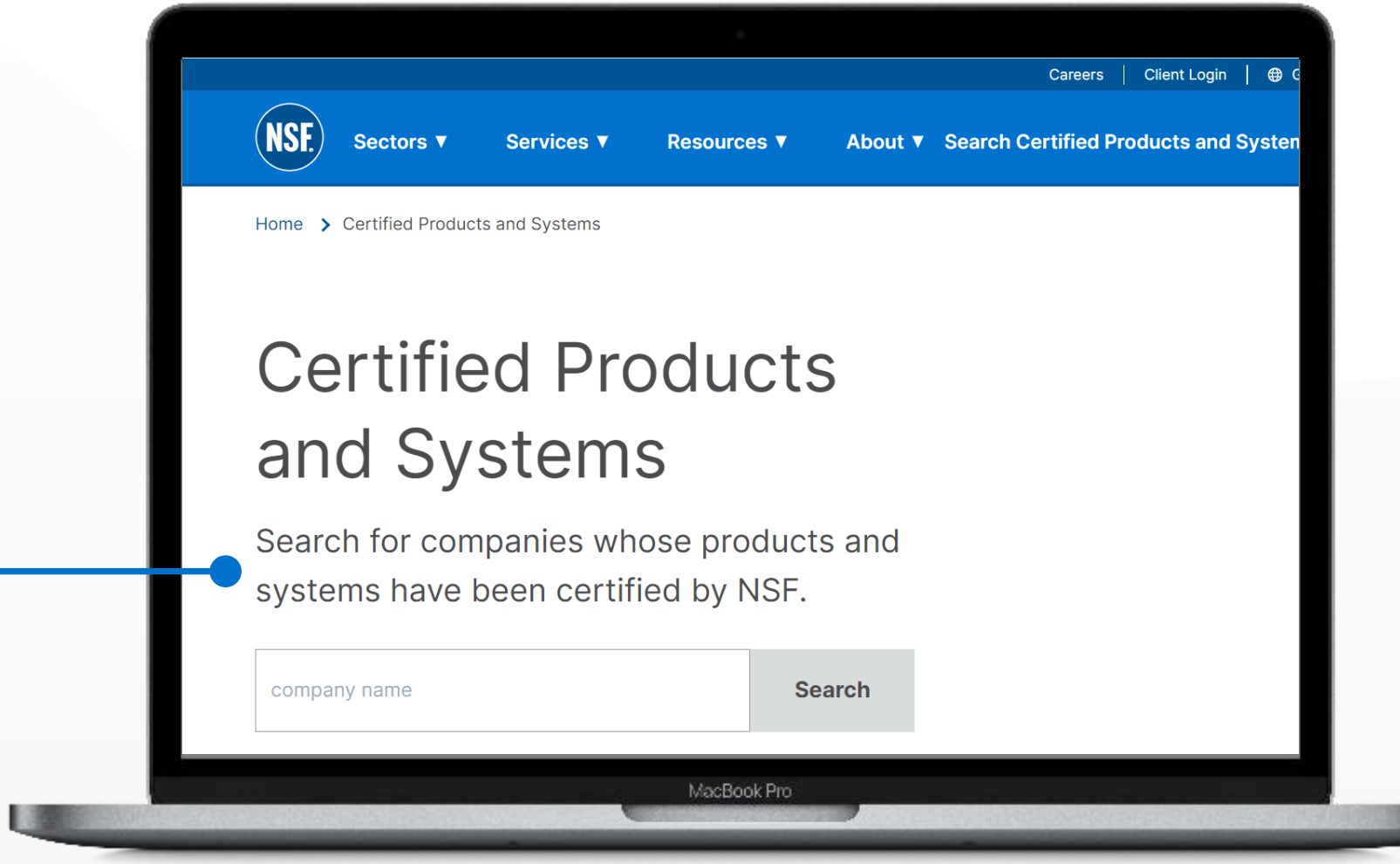
- **Annual Unannounced Audits**
  - Facility must have current CPL, WWTR, and manuals on file
- **Annual Authorized Representative Audits**
  - Up to (4) AR locations are selected
  - Each AR must be installing against current CPL, WWTR, and manuals on file
- **5-Year Review or Retest**
  - Every 5-years the product and product family are review or retested
  - Each review consists of all modifications from the past 5-years and are reevaluated
- **Modification Reviews to the Certified Product**
  - Any proposed modifications against the Certified product(s) part/component must be reviewed and approved prior to production
- **Program Polices**
  - General Polices and Program Polices must be followed pertaining to NSF Marking of the Certified product, annual audits, testing, and advertising

Tips on Verifying NSF Certification

NSF Official Listings

This is a great tool to determine if whether a manufacturer or product is NSF Certified.

This online platform is updated every 24-48 hours.



Valid NSF Final Test Report

A manufacturer must present an official NSF test report. This report shows if the product has met the pass/fail criteria of the NSF/ANSI Standard(s) it was tested against.

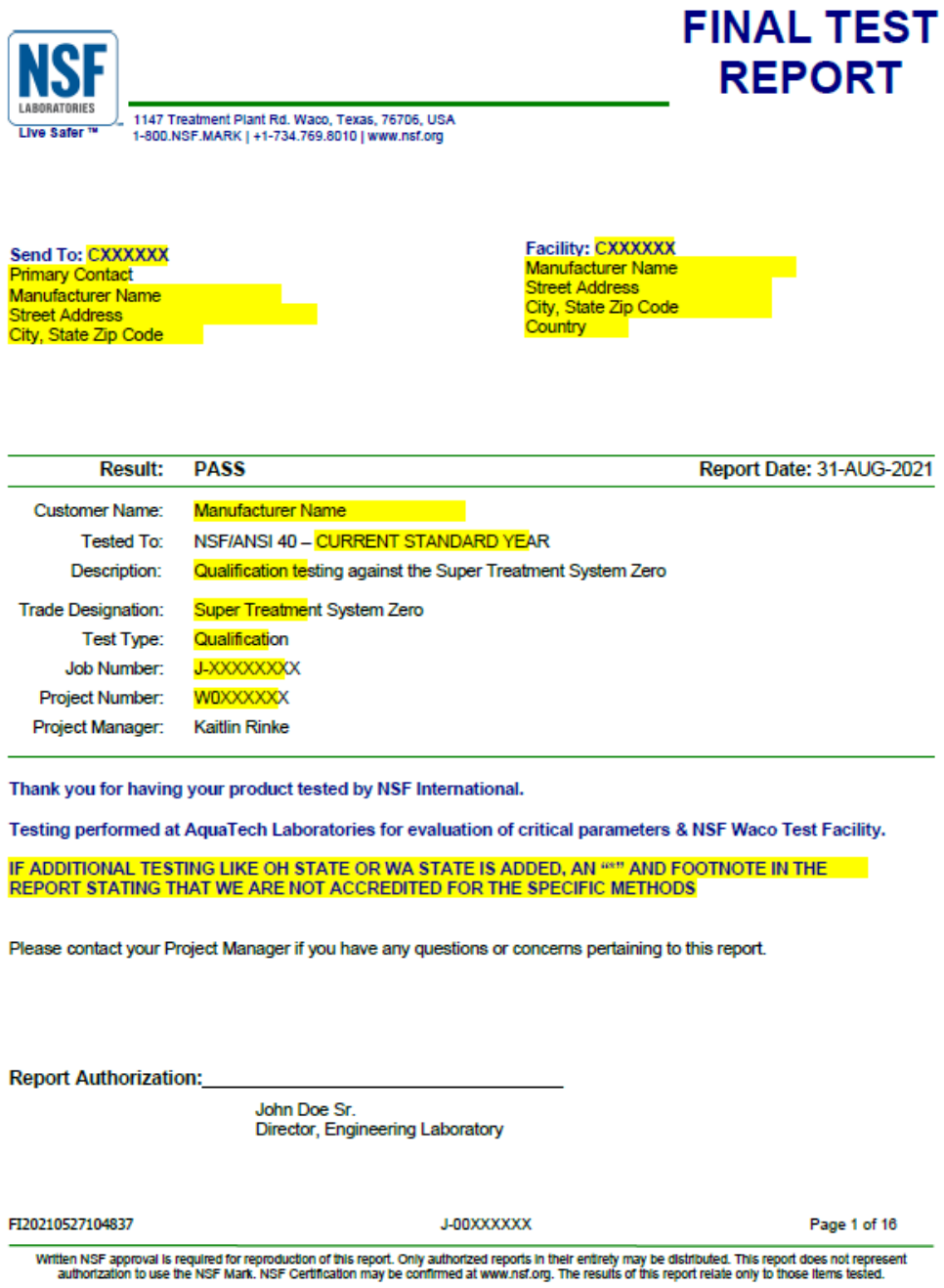
Quick Guide:

Result: PASS – met NSF criteria for NSF Certification

Result: FAIL – did not meet NSF criteria for NSF Certification

Result: COMPLETE – NSF performed Test Only (TO) testing (i.e., R&D)

Result: INCOMPLETE – Results were inconclusive



NSF LABORATORIES
Live Safer ™
1147 Treatment Plant Rd. Waco, Texas, 76706, USA
1-800.NSF.MARK | +1-734.769.8010 | www.nsf.org

FINAL TEST REPORT

Send To: CXXXXXX
Primary Contact
Manufacturer Name
Street Address
City, State Zip Code

Facility: CXXXXXX
Manufacturer Name
Street Address
City, State Zip Code
Country

Result:	**PASS**	**Report Date:** 31-AUG-2021
Customer Name:	Manufacturer Name	
Tested To:	NSF/ANSI 40 – CURRENT STANDARD YEAR	
Description:	Qualification testing against the Super Treatment System Zero	
Trade Designation:	Super Treatment System Zero	
Test Type:	Qualification	
Job Number:	J-XXXXXXXX	
Project Number:	W0XXXXXX	
Project Manager:	Kaitlin Rinke	

Thank you for having your product tested by NSF International.

Testing performed at AquaTech Laboratories for evaluation of critical parameters & NSF Waco Test Facility.

IF ADDITIONAL TESTING LIKE OH STATE OR WA STATE IS ADDED, AN "*" AND FOOTNOTE IN THE REPORT STATING THAT WE ARE NOT ACCREDITED FOR THE SPECIFIC METHODS

Please contact your Project Manager if you have any questions or concerns pertaining to this report.

Report Authorization:_____
John Doe Sr.
Director, Engineering Laboratory

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Product Must Bear the Appropriate NSF Certification Mark(s)

Certified to
CAN/BNQ 3680-600

Certified to
NSF/ANSI Standard 40

Certified to
NSF/ANSI Standards 40 & 245

Certified to
NSF/ANSI Standard 245

Certified to ISO 11143

COMPONENT

Certified to
NSF/ANSI Standards
40, 245 and 350

Certified to
NSF/ANSI Standard 41

NSF Protocol P157
Incinerating Toilet Systems-Health
and Sanitation (replaces 1983
edition of NSF Standard 41)

Certified to
NSF/ANSI Standard 46

Certified to
NSF/ANSI
Standard 350

Q&A

THANK YOU!

Kaitlin Rinke
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