



# HOW TO CERTIFY YOUR FAUCETS AND FAUCET ACCESSORIES

Faucets are required to meet strict performance standards in most countries to ensure they are safe, are leak-proof and do not have excessive flow rates. These standards make sure faucets and their components can withstand stresses over time and to ensure they don't leach harmful contaminants into drinking water. NSF provides the testing and certification of faucets and their components needed to gain product acceptance and compliance across North America, UK, Australia and other international markets.

## North America

- > **ASME A112.18.1/CSA B125.1** – a standard covering the design requirements of plumbing supply fittings, including proper backflow prevention (an air gap). It also contains performance requirements and test procedures.
- > **NSF/ANSI 61: Drinking Water System Components – Health Effects** - a standard setting health effects criteria for many water system components, limiting the amount of impurities an individual product can introduce into the water supply.
  - **NSF/ANSI 61 - section 9:** metal and nonmetal contaminant testing is performed to look for a wide variety of potential contaminants that might be released into the drinking water. This also requires that products not contain lead in excess federal requirements for lead-free plumbing under the U.S. Safe Drinking Water Act (SDWA).
- > **NSF/ANSI 372: Drinking Water System Components – Lead Content** - a standard for determining a product's weighted average lead content.
- > **WaterSense** - a standard developed by the US Environmental Protection Agency (EPA) that measures water efficiency and flow rate.
- > **California Energy Commission (CEC)** – the CEC requires strict flow rate testing and registration of faucets to ensure they meet California water conservation laws. NSF can provide this testing and registration.



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## Australia and New Zealand

- > **AS/NZS 3718** – the standard for tap ware in Australia forming the basis for WaterMark certification, which is mandatory. This standard contains tests for performance and durability and also requires AS/NZS 4020.
- > **AS/NZS 4020** - the standard for material effects on water quality.

## United Kingdom

- > **WRAS Approvals** - a standard demonstrating a product's compliance with the Water Supply (Water Fittings) Regulations or Scottish Byelaws.
  - WRAS Product Approval: mechanical and water quality testing for whole products.
  - WRAS Material Approval: water quality testing for non-metallic materials and components.
- > **BS6920** - a British standard designed to test non-metallic materials for both health and aesthetic effects.

## Europe

- > **EN 200** - European standard covering performance testing of faucets with non-rising, rising spindle or quarter turn headworks.
- > **EN 817** - European standard covering performance testing of single lever design faucet with a ceramic cartridge.

## Italy

- > **Origine e Qualita Controllata (OQC)**: a voluntary registration process for Italian manufacturers to demonstrate product quality and confirm production location based in Italy.

## **NSF INTERNATIONAL**

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