



# TEST REPORT

5001 East Philadelphia Street  
Ontario, California – USA 91761-2816  
Ph: 909.472.4100 | Fax: 909.472.4243  
<http://www.iapmortl.org>

**Report Number:** 2195-23008

**Report Issued:** January 31, 2023

**Project No.:** 39776

**Client:** SmartFaucets Inc.  
7545 Irvine Center Drive, Ste 200  
Irvine, CA 92618

**Contact:** Ms. Joanna Boey

**Source of Samples:** The samples were sent by SmartFaucets Inc. and received by IAPMO R&T Lab in good condition on November 16, 2022 and December 28, 2022.

**Date of Testing:** December 7, 2022 through January 17, 2023.

**Sample Description:** Electronic sensor lavatory faucet

Model No.: SMF model C

**Notes:**

- The faucet can be operated by motion sensor or touch sensor.
- The faucet has chrome finish and Max. rated flow rate of 1.0 gpm.

**Scope of Testing:** The purpose of the testing was to determine if the samples tested of the electronic sensor lavatory faucet met the applicable requirements of IAPMO Water Efficiency and Sanitation Standard for the Built Environment – 2020, Cal Green – 2019 and LEED v4.1 – updated July 29, 2022.

**Conclusion:** The samples tested of the electronic sensor lavatory faucet, model SMF model C, from SmartFaucets Inc. **COMPLIED** with the applicable requirements of IAPMO Water Efficiency and Sanitation Standard for the Built Environment – 2020, Cal Green – 2019 and LEED v4.1 – updated July 29, 2022.

Tested by,

Simon Hadi, Test Technician

Reviewed by,

Andy Ho, Director of Fitting Testing

All testing and sample preparation for this report was performed under the continuous, direct supervision of IAPMO R&T Lab, unless otherwise stated. The statement of compliance is based on the test results compared to the standard specifications without considering measurement uncertainty. The observations, test results and conclusions in this report apply only to the specific samples tested and are not indicative of the quality or performance of similar or identical products. Only the Client shown above is authorized to copy or distribute the report, and then only in its entirety. If presented with a copy of a Test Report without the IAPMO R&T Lab watermark background, contact IAPMO R&T Lab for verification. Any use of the IAPMO R&T Lab name for the sale or advertisement of the tested material, product or service is prohibited absent the advance written consent of IAPMO R&T Lab.



## **Primary Specifications:**

IAPMO Water Efficiency and Sanitation Standard for the Built Environment – 2020

Cal Green – 2019

LEED v4.1 – updated July 29, 2022

**Test Results:** All tests and evaluations were conducted per the written procedures specified in the specifications and their reference standards.

## **IAPMO Water Efficiency and Sanitation Standard for the Built Environment – 2020**

### Section 402.5 Lavatory Faucets

Section 402.5.1 Lavatory Faucets in Residences, Apartments, and Private Bathrooms in Lodging Facilities, Hospitals, and Patient Care Facilities – COMPLIED

The lavatory faucet did not exceed 1.5 gpm (5.7 L/min) at 60 psi (414 kPa) when tested in accordance with ASME A112.18.1-2018/CSA B125.1-18 and complied with the EPA WaterSense High-Efficiency Lavatory Faucet Specification.

Finding: The maximum flow rate at 60 psi was 1.00 gpm. *Refer to IAPMO R&T Lab report No. 2195-23007 for the EPA WaterSense testing.*

## **Cal Green – 2019**

### Chapter 4 Residential Mandatory Measures

#### Section 4.303 Indoor Water Use

##### Section 4.303.1.4.1 Residential Lavatory Faucets – COMPLIED

The maximum flow rate of the lavatory faucet did not exceed 1.2 gallons per minute (gpm) at 60 psi and the minimum flow rate was not less than 0.8 gallons per minute at 20 psi.

Finding: The maximum flow rate at 60 psi was 1.00 gpm and the minimum flow rate at 20 psi was 0.80 gpm.

##### Section 4.303.2 Standard for Plumbing Fixtures and Fittings – COMPLIED

Plumbing fixtures and fittings shall be installed in accordance with the California Plumbing Code, and shall meet the applicable standards referenced in Table 1701.1 of the California Plumbing Code.

Finding: The lavatory faucet was tested to and complied with ASME A112.18.1-2018/CSA B125.1-18. *Refer to IAPMO R&T Lab report No. 2195-23006 for details.*

## **LEED v4.1 – updated July 29, 2022**

### WE Prerequisite: Indoor Water Use Reduction Required – COMPLIED

The private lavatory faucet reduced water consumption by at least 20% from the baseline shown in Table 1. The maximum flow rate at 60 psi was found to be 1.00 gpm (baseline water consumption for private lavatory faucets is 2.2 gpm at 60 psi).

The lavatory faucet complied with the EPA WaterSense High-Efficiency Lavatory Faucet Specification. *Refer to IAPMO R&T Lab report No. 2195-23007 for details.*

**WE Credit: Indoor Water Use Reduction – COMPLIED**

Fixtures and fittings with further water consumption reduction from the calculated baseline in WE Prerequisite Indoor Water Use Reduction are awarded with points according to the table below.

Points for reducing water use:

Percentage Reduction	Points (BD+C)
25%	1
30%	2
35%	3
40%	4
45%	5
50%	6

*Finding: Refer to finding table for the actual awarding point.*

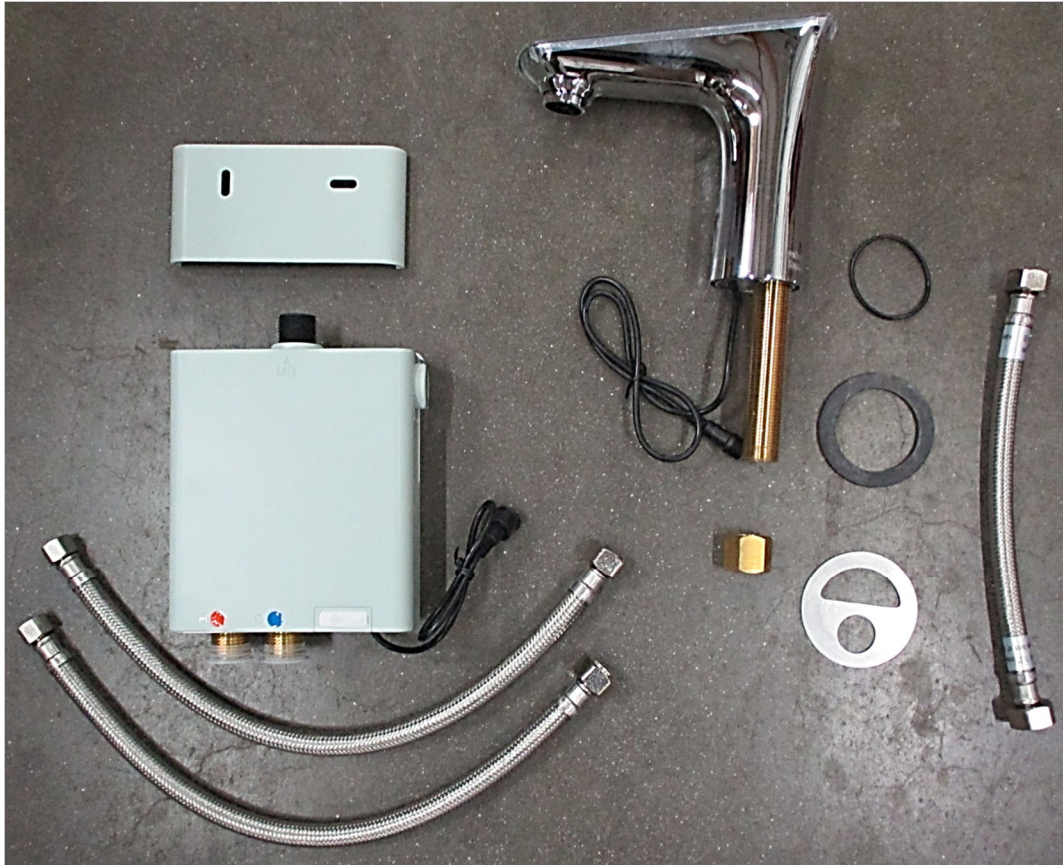
**Findings:**

**Lavatory Faucet (Residentail / Private)**

Model No. / Product	Baseline (gpm)	Mfr Rated Flow Rate (gpm)	Percent Reduction	Actual Flow Rate at 60 psi (gpm)	IAPMO Green	Cal Green	LEED
SMF model C Lavatory Faucet	2.2	1.0	54.5%	1.00	Residential*	Residential	WE Credit 6 points

\* Lavatory Faucets in Residences, Apartments, and Private Bathrooms in Lodging Facility, Hospitals and Patient Care Facilities

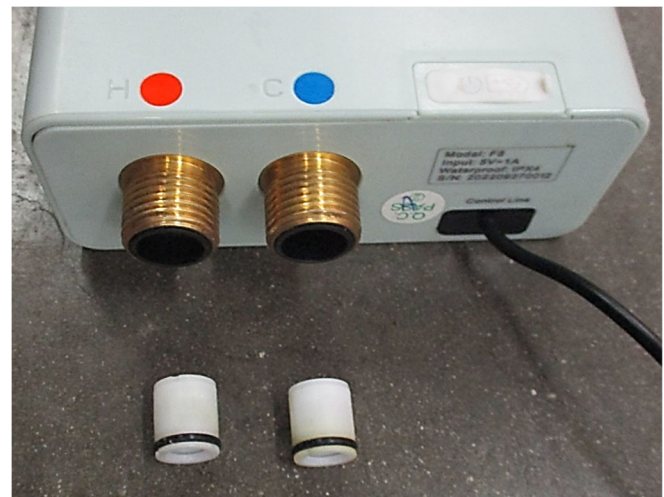
**Photographs of Sample Tested:**



Model SMF model C



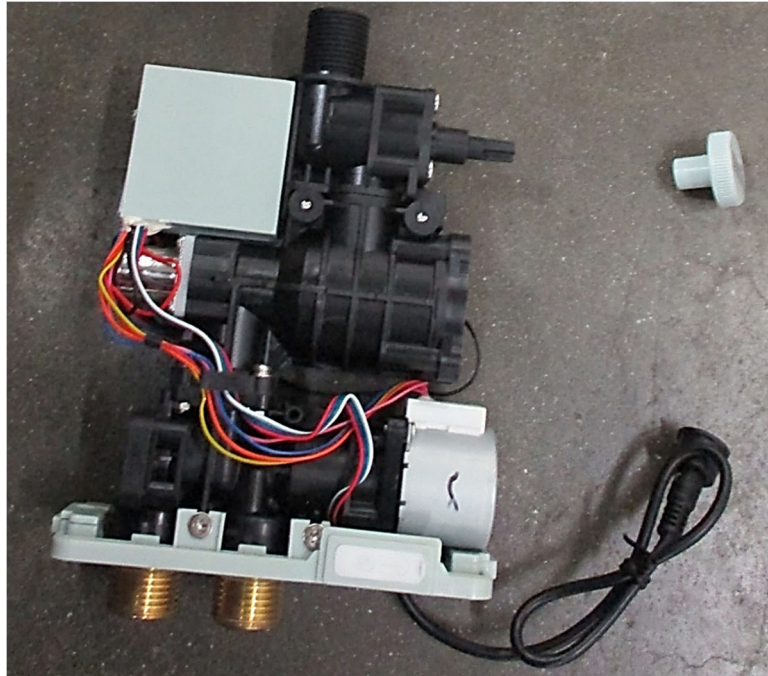
1.0gpm Aerator Used



Check Valves on Control Box Inlets



### Components Inside Control Box



### Markings on Inlet Flexible Connectors



### Markings on Received Faucet Samples





Date of Manufacture Marking on Control Box

Client's Provided Flow Rate Marking Images



Client's Provided Package Labeling Image

