

TEST REPORT



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Report Number: 1707-12005

Report Issued: August 10, 2012

Project No.: 20461

Client: Watermiser Manufacturing Company
1106 Second Street, Suite # 637
Encinitas, CA 92024

Contact: Mr. Ken Margulis

Source of Samples: The samples were sent by Watermiser Manufacturing Company and received by IAPMO R&T Lab in good condition on May 23, 2012 and July 19, 2012.

Date of Testing: June 11, 2012 through August 2, 2012

Sample Description: 303 stainless steel lavatory faucet flow control valve

Model No.: FCVSS – 0.75 GPM

Note: The lavatory faucet flow control valve is intended to be sold and used in pair, so it was tested in pair.

Scope of Testing: The purpose of the testing was to determine if the samples tested of the 303 stainless steel lavatory faucet flow control valve met the applicable requirements of EPA WaterSense High-Efficiency Lavatory Faucet Specification (Version 1.0, October 1, 2007 Edition).

Conclusion: The samples tested of the 303 stainless steel lavatory flow control valve, model FCVSS – 0.75 GPM, from Watermiser Manufacturing Company **COMPLIED** with the applicable requirements of EPA WaterSense High-Efficiency Lavatory Faucet Specification (Version 1.0, October 1, 2007 Edition).

Note: Section 2.1 (ASME A112.18.1-2011/CSA B125.1-11 portion) was tested under IAPMO R&T Lab report # 1707-12001-002.

I understand that intentionally submitting false information to the U.S. government or its agent is a criminal violation of the False Statements Act, Title 18 U.S.C. section 1001.

By our signatures below we certify that all the testing and sample preparation for this report was performed under continuous, direct supervision of IAPMO R&T Lab, unless otherwise stated.

Tested by,

A handwritten signature in black ink, appearing to read "Simon Hadi".

Simon Hadi, Test Technician

SH: ah

Reviewed by,

A handwritten signature in black ink, appearing to read "Andy Ho".

Andy Ho, Manager, Fitting Testing

Primary Standard: EPA WaterSense High-Efficiency Lavatory Faucet Specification (Version 1.0, October 1, 2007 Edition), sections tested / evaluated:

- 2.0 Water Efficiency and Performance Criteria
- 3.0 Non-Adjustability Criteria
- 4.0 Flow Rate Marking

Test Results: All tests and evaluations were conducted per the written procedures specified in the standard.

EPA WaterSense High-Efficiency Lavatory Faucet Specification (Version 1.0, October 1, 2007 Edition)

1.0 Scope and Objective – FOLLOWED

The product was a lavatory faucet flow control valve and fell into the scope of this Specification.

2.0 Water Efficiency and Performance Criteria – COMPLIED

2.1 The lavatory faucet flow control valve was tested to ASME A112.18.1-2011/CSA B125.1-11 under IAPMO R&T Lab report # 1707-12001-002.

2.2 The flow rate of the lavatory faucet flow control valve was tested in accordance with the procedures in ASME A112.18.1-2011/CSA B125.1-11 and met the following criteria:

- The maximum flow rate did not exceed 1.5 gpm (5.7 L/min) at a flowing pressure of 60 psi at the inlet.
- The minimum flow rate was not less than 0.8 gpm (3.0 L/min) at a flowing pressure of 20 psi at the inlet.

Finding:

Model	Maximum Flow at 60 psi (gpm)				Minimum Flow at 20 psi (gpm)			
	Sample 1	Sample 2	Sample 3	Sample 4	Sample 1	Sample 2	Sample 3	Sample 4
FCVSS – 0.75 GPM	1.54	1.47	1.54	1.54	0.96	0.92	0.95	0.95

2.3 The flow rate was tested in accordance with the procedures in ASME A112.18.1-2011/CSA B125.1-11 and met the testing verification protocol as described in 10 *CFR* 430 Subpart F, Appendix B.

Finding:

Maximum Flow Rate at 60 psi (gpm)			
Model	Upper Limit (UCL ₁)	Lower Limit (LCL ₁)	Mean (X ₁)
FCVSS – 0.75 GPM	1.6	1.4	1.5

Minimum Flow Rate at 20 psi (gpm)			
Model	Upper Limit (UCL ₁)	Lower Limit (LCL ₁)	Mean (X ₁)
FCVSS – 0.75 GPM	0.8	0.8	1.0

3.0 Non-Adjustability Criteria – COMPLIED

The lavatory faucet flow control valve was not packaged, marked, or provided with instructions directing the user to an alternative water-use setting that would override the maximum flow rate of 1.5 gpm at 60 psi, as established by the specification.

Note: No maintenance instruction was provided.

4.0 Flow Rate Marking – COMPLIED (*Per manufacturer's provided labeling photo*)

The lavatory faucet flow control valve will be marked in accordance with 16 *CFR* 305.11(f) with the maximum flow rate in gpm and L/min as determined through the testing and compliance with this specification. The marking was in gpm and L/min in 2 digit resolutions.

Finding: 1.5 gpm and 5.7 L/min on body using UL 969 label.

Photograph of Sample Tested:



Model FCVSS – 0.75 GPM