

TEST REPORT



REPORT NO.:CTNT2412250070201R

Product name: Rainer

Model No.: BS-C-8

Applicant: Wenzhou Tuoyu Sanitary Ware Co., Ltd

Test procedure: Entrustment Test

Shenzhen CTNT Testing Technology Co., Ltd.



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TEST REPORT**Appendix S to Subpart B of Part 430—Uniform Test Method for Measuring the Water Consumption of Faucets and Showerheads**

Report Number. : CTNT2412250070201R

Date of issue : Jan.15, 2025

Name of Testing Laboratory
preparing the Report..... : Shenzhen CTNT Testing Technology Co., Ltd.
Room 1A106, 1/F., No.109, Lijia Road, Henggang, Henggang
Street, Longgang District, Shenzhen, Guangdong, China
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Applicant's name : Wenzhou Tuoyu Sanitary Ware Co., Ltd
Address : Room 37-08, Gongmao Road, Haicheng Industrial Zone,
Haicheng Street, Longwan District, Wenzhou City, Zhejiang
Province

Test specification:

Standard : 10 CFR 430, Appendix S of Subpart B.
10 CFR 430.32

Test procedure..... : 10 CFR 430, Appendix S of Subpart B.

Non-standard test method : N/A

Test Report Form No..... : DOE- SLT-TRF

Test Report Form(s) Originator : 1.0

Master TRF : CTNT

General disclaimer:

The test results presented in this report relate only to the object tested.

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Test item description : Rainer

Model/Type reference : BS-C-8, BS-C-10, BS-MB-8, BS-MB-10, BS-C-F-8, BS-C-F-10,
BS-MB-F-8, BS-C-10, BS-MB-8, BS-MB-10, BS-C-F-8, BS-C-F-
10, BS-MB-F-8, MB-10, MB-10-TP, MB-12, MB-12-TP, Yuan-
NR-8, Yuan-NR-10, Yuan-NR-12, Yuan-BG-8, Yuan-BG-10,
Yuan-BG-12, Yuan-MB-8, Yuan-MB-10, Yuan-NR-8-TP, Yuan-
NR-10-TP, Yuan-NR-12-TP, Yuan-BG-8-TP, Yuan-BG-10-TP,
Yuan-BG-12-TP, Yuan-MB-8-TP, Yuan-MB-10-TP, Yuan-MB-12-
TP

Trade Mark..... : RTTWYUU

Manufacturer : Wenzhou Tuoyu Sanitary Ware Co., Ltd

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Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):		
Laboratory Name	Shenzhen CTNT Testing Technology Co., Ltd.	
Testing location/ address.....:	Room 1A106, 1/F., No.109, Lijia Road, Henggang, Henggang Street, Longgang District, Shenzhen, Guangdong, China	
Tested by(Test Engineer).....:	George Tian	
Reviewed By(Supervisor).....:	Oliver Long	
Approved by(Chief Engineer).....:	Flight Lee	
Summary of testing:		
Tests performed (name of test and test clause): <p>Determination of the result includes consideration of measurement uncertainty from the test equipment and methods.</p> <p>A representative sample of the product covered by this report has been tested and Rainer complies with the requirements of 10 CFR 430.32</p>	Testing location: <p>Shenzhen CTNT Testing Technology Co., Ltd. Room 1A106, 1/F., No.109, Lijia Road, Henggang, Henggang Street, Longgang District, Shenzhen, Guangdong, China Tel: 086-755-28680489 E-mail: admin@ctnt-cert.com Web: www.ctnt-cert.com</p>	
General conditions for measurements:		
<p>1. General Test Set-up Conditions</p> <p>1.1 Flow rate test Procedure(According to the standard ASME A112.18.1-2012 / CSA B125.1-2012)</p> <p>1.1.1) Fittings shall be tested at the maximum flow setting, if adjustable, with both hot and cold water valves fully open on combination fittings.</p> <p>The flow rate test shall be conducted with water between 5 and 71 °C(40 and 160F) in accordance with the intended end use of the fitting and under the following conditions:</p> <p>(a) for minimum flow: at 140 + 7kPa (20 + 1nsi) at the inlet when water is flowing: and</p> <p>(b) for maximum flow for faucets: at 410 ± 7kPa (60 ± 1 psi) at the inlet when water is flowing.</p> <p>1.1.2) Flow rate tests for shower heads, body sprays, and hand showers shall be conducted with water at 38±6°C (100±10F) and the flow maintained for at least 1 min. The flow rate test for</p> <p>(a) maximum flow for shower heads shall be conducted at 550 ± 14kPa (80 ± 2psi);</p> <p>(b) minimum flow for shower heads and hand showers shall be conducted at 31 0 ± 1 4kPa (45 ± 2 psi).</p> <p>If the shower head or hand-held shower has more than one mode, the minimum flow rate shall be determined at a flowing pressure of 310 ± 7kPa (45 ± 1 psi) in all modes. Pause or trickle modes designed to flow at less than 1.9 L/min (0.5gpm) at 550kPa (80 psi) shall be excluded from the minimum flow requirements; and</p> <p>Note: The intent of item (b) is to aid in the selection of an appropriate automatic compensating valve.</p> <p>(c) high-efficiency shower heads and hand-held showers shall be conducted in accordance with Clause</p>		

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