

## TEST REPORT



REPORT NO.:CTNT2412230160301R

Product name: Rainer

Model No.: Ry-SH02-3S10B1aCK

Applicant: Wenzhou Ruiyu Sanitary Ware Co., Ltd

Test procedure: Entrustment Test

Shenzhen CTNT Testing Technology Co., Ltd.



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E-mail: admin@cnt-cert.com

Web: www.cnt-cert.com



**TEST REPORT****Appendix S to Subpart B of Part 430—Uniform Test Method for Measuring the Water Consumption of Faucets and Showerheads****Report Number.** ..... : CTNT2412230160301R**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  
Tel: 086-755-28680489  
E-mail: admin@cnt-cert.com  
Web: www.cnt-cert.com

**Applicant's name** ..... : Wenzhou Ruiyu Sanitary Ware Co., Ltd**Address** ..... : No. 37 Gongmao Road, Haicheng Street, Wenzhou Economic  
and Technological Development Zone, 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** ..... : Ry-SH02-3S10B1aCK**Trade Mark**..... : LCEVCGK**Manufacturer** ..... : Wenzhou Ruiyu Sanitary Ware Co., Ltd

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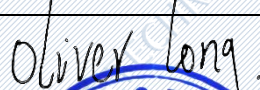

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|  |   |   |
|--|---|---|
| <b>Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):</b>  |   |   |
| <b>Laboratory Name</b>   | Shenzhen CTNT Testing Technology Co., Ltd.  |   |
| <b>Testing location/ address.....:</b>   | Room 1A106, 1/F., No.109, Lijia Road, Henggang, Henggang Street, Longgang District, Shenzhen, Guangdong, China  |   |
| <b>Tested by(Test Engineer).....:</b>  | George Tian   |  |
| <b>Reviewed By(Supervisor).....:</b>   | Oliver Long   |  |
| <b>Approved by(Chief Engineer).....:</b>   | Flight Lee  |  |
| <b>Summary of testing:</b>   |   |   |
| <b>Tests performed (name of test and test clause):</b><br><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>  | <b>Testing location:</b><br><p>Shenzhen CTNT Testing Technology Co., Ltd.<br/> Room 1A106, 1/F., No.109, Lijia Road, Henggang, Henggang Street, Longgang District, Shenzhen, Guangdong, China<br/> Tel: 086-755-28680489<br/> E-mail: admin@ctnt-cert.com<br/> Web: www.ctnt-cert.com</p> |   |
| <b>General conditions for measurements:</b>  |   |   |
| <p><b>1. General Test Set-up Conditions</b></p> <p><b>1.1 Flow rate test Procedure(According to the standard ASME A112.18.1-2012 / CSA B125.1-2012)</b></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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