

TEST REPORT



REPORT NO.:CTNT2506120080101R

Product name: Kitchen Faucets

Model No.: RLD-BS001-BN

Applicant: RALANDA

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.** : CTNT2506120080101R**Date of issue** : Jun.18, 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 : RALANDA**Address** : Tower A, Henggang Rongde International, Longgang District, Shenzhen, Guangdong, 518100, CN**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 : Kitchen Faucets**Model/Type reference** : RLD-BS001-BN, RLD-BS001**Trade Mark**..... : RALANDA**Manufacturer** : RALANDA

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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	<i>George Tian</i>
Reviewed By(Supervisor):	Oliver Long	<i>Oliver Long</i>
Approved by(Chief Engineer):	Flight Lee	<i>Flight Lee</i>
Summary of testing:		
Tests performed (name of test and test clause): Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. A representative sample of the product covered by this report has been tested and Bathroom faucet complies with the requirements of 10 CFR 430.32	Testing location: 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	
General conditions for measurements:		
1. General Test Set-up Conditions 1.1 Flow rate test Procedure(According to the standard ASME A112.18.1-2012 / CSA B125.1-2012) 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. 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: (a) for minimum flow: at 140 ± 7kPa (20 ± 1nsi) at the inlet when water is flowing: and (b) for maximum flow for faucets: at 410 ± 7kPa (60 ± 1 psi) at the inlet when water is flowing. 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 (a) maximum flow for shower heads shall be conducted at 550 ± 14kPa (80 ± 2psi); (b) minimum flow for shower heads and hand showers shall be conducted at 310 ± 1 kPa (45 ± 2 psi). 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 Note: The intent of Item(b) is to aid in the selection of an appropriate automatic compensating valve. (c) high-efficiency shower heads and hand-held showers shall be conducted in accordance with Clause		

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Possible test case verdicts:

- test case does not apply to the test object.....: N/A
- test object does meet the requirement.....: P (Pass)
- test object does not meet the requirement.....: F (Fail)

Declared data for Device:

Rated maximum flow rate.....(gpm): N/A

Testing:

Sample arrival date.....: Jun.09, 2025

Test period: Jun.16, 2025

"(See Enclosure #)" refers to additional information appended to the report.

"(See appended table)" refers to a table appended to the report.

Throughout this report a ☐ comma / ☒ point is used as the decimal separator.

Clause numbers between brackets refer to clauses in 10 CFR 430.32

Remarks:

1. The under test model RLD-BS001-BN and the series models RLD-BS001 are identical except model name and appearance decoration. The differences do not affect product safety and performance.
2. All tests are carried out on RLD-BS001-BN.

Other important notes:

1. If you have any objection to the inspection results in this report, please submit a written report to the company within 15 days from the date of receipt of the report.
2. Entrusting test only responsible for the incoming samples, and the test results are used by the entrusting party to understand the quality of the samples.
3. This test report is invalid without the "test stamp".
4. This report may not be reproduced in part without permission to avoid ambiguous interpretation.
5. Test items with "*" by to subcontract.
6. The remaining samples under test must be collected within three months of receipt of the inspection report. If the samples are not collected within the time limit, the laboratory will handle them by selves.

Company name: Shenzhen CTNT Testing Technology Co., Ltd.

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§ 430.32	Energy and water conservation standards and their compliance dates.			P
(o)	Faucets.			P
	The maximum water use allowed for any of the following faucets manufactured after January 1, 1994, when measured at a flowing water pressure of 60 pounds per square inch (414 kilopascals), shall be as follows:			P
	Faucet type	Maximum flow rate (gpm (L/min)) or (gal/cycle (L/cycle))		P
	Lavatory faucets	2.2 gpm (8.3 L/min) ^{1 2}		N/A
	Lavatory replacement aerators	2.2 gpm (8.3 L/min)		N/A
	Kitchen faucets	2.2 gpm (8.3 L/min)	1.45gpm	P
	Kitchen replacement aerators	2.2 gpm (8.3 L/min)		N/A
	Metering faucets	0.25 gal/cycle (0.95 L/cycle) ^{3 4}		N/A
(p)	Showerheads.			N/A
	The maximum water use allowed for any showerheads manufactured after January 1, 1994, shall be 2.5 gallons per minute (9.5 liters per minute) when measured at a flowing pressure of 80 pounds per square inch gage (552 kilopascals). When used as a component of any such showerhead, the flow-restricting insert shall be mechanically retained at the point of manufacture such that a force of 8.0 pounds force (36 Newtons) or more is required to remove the flow-restricting insert, except that this requirement shall not apply to showerheads for which removal of the flow-restricting insert would cause water to leak significantly from areas other than the spray face.			N/A

Summary of Test Results				
Model: RLD-BS001-BN				
Item	Limited	Measured		Verdict
		Sample 1	Sample 2	
Flow Rate at 60 +/- 1 psi - Gallons per Minute	2.2gpm	1.45gpm	1.44gpm	P
		Mean value: 1.45gpm		

Photo Document



Photo 1: Sample appearance (RLD-BS001-BN)



Photo 2: Sample appearance (RLD-BS001)

---END OF REPORT---

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