

TEST REPORT



REPORT NO.: CTNT2412270240101R

Product name: Kitchen Faucet

Model No.: K055C

Applicant: Taizhou Yichuang Dianshangwuyouxangongsi

Test procedure: Entrustment Test

Shenzhen CTNT Testing Technology Co., Ltd.



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

Report Number.....: CTNT2412270240101R

Date of issue.....: Jan.09,2025

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@ctnt-cert.com
 Web: www.ctnt-cert.com

Applicant's name.....: Taizhou Yichuang Dianzishangwuyouxiangongsi

Address.....: No.4, Row 9, D4, 4F, China Daily Goods Mall, No.999 Fortune Avenue,Luqiao District,Taizhou ,Zhejiang ,China

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 Faucet
Model/Type reference.....: K055C, gK049C
Trade Mark.....: Inchant
Manufacturer.....: Inchant

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E-mail: admin@ctnt-cert.com

Web: www.ctnt-cert.com

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):	Schale Zeng	<i>Schale Zeng</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 Pipe fittings complies with the requirements of 10 CFR 430, Appendix S of Subpart B.

Testing location:

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Henggang Street, Longgang District, Shenzhen,
Guangdong, China

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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 160°F) in accordance with the intended end use of the fitting and under the following conditions:

(a) for minimum flow: at 140 ± 7kPa (20 ± 1psi) 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 ± 10°F) 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 ± 14kPa (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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