TEST REPORT:

No.WT(22)-GT-1367-2

Supersede report WT(22)-GT-1367 dated on 26 Dec.2022

PRODUCT TESTED:

Smart toilet (WC pan incorporated with Smart bidet douche seats)

YC318GE (YC series)

CUSTOMER:

Guangdong Wealwell Technology Co., Ltd.

Fuzhong Industrial Zone, Guxiang District, Chaozhou City, Guangdong Province, CHINA 521000

Issue date: Jan 10, 2022

Guangdong Chaozhou Institute of Quality & Metrology Supervision & Inspection(National Center of Supervision and Inspection for Ceramic, Sanitary and Plumbing Fixture)

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This laboratory is accredited by China National Accreditation Service for ConformityAssessment (CNAS). Accreditation No. L1353. The tests reported herein have beenperformed in accordance with its items of accreditation.

Guangdong Chaozhou Institute of Quality & Metrology Supervision & Inspection(National Center of Supervision and Inspection for Ceramic, Sanitary and Plumbing Fixture)

BRIEF INTRODUCTION

Affiliated to Guangdong Chaozhou Institute of Quality & Metrology Supervision & Inspection,National Center of Supervision and Inspection for Ceramic, Sanitary and Plumbing Fixture (NCCS) has been authorized to establish by General Administration of Quality Supervision,Inspection and Quarantine(AQSIQ) and inaugurated in 2009.The third-party testing laboratories approved and authorized by the China National Accreditation Service for Conformity Assessment (CNAS) accreditation of NCCS,which is one of the earliest testing organizations carrying on ceramic and sanitary ware products testing, including ceramic、sanitary wares、plastic pipe fittings and raw materials、components, etc.

NCCS is located in the industry base of ceramic and sanitary wares Foshan and Chaozhou in Guangdong , as the unique comprehensive technical organization of ceramic and sanitary wares , NCCS has various high-level andadvanced equipments with strong competitiveness in testing, such as High Purity Germanium Spectroscopy、Atomic Absorption Spectrometry、X-ray Fluorescence、Ramp Tester、Flatness Tester and so on. NCCS has achieved mutual-recognition with international testing bodies, holding good fame among many international testing authorities , such as BV、ITS、CQC and so on, and we could carry out certification test of CE、CCC、Water and Energy Conservation. NCCS could also meet various types of sanitary and ceramics enterprises and customers' special requirements, and offer localization and international service.

NCCS has been the authorized testing laboratory of Australia WaterMark certificationand WELS certification via the authorizedtesting laboratory of Australia DNV-GL in March 2021.

Based on fair judgment and science, NCCS shall serve all the clients in time, and that isour tenet. To promote development of Chinese water-saving industry, we shall focus on clients' demands and serve clients earnestly.

Explanation:

1. This report will be invalid without the signatures of the concerned inspector,verifier and approver respectively and a special stamp for inspection.
2. This report will be invalid in case it is altered, deficient, duplicated withoutre-stamping with the special stamp of inspection or without a page seal.
3. The entrusted test reportis responsible for the samples only.
4. In case of any disagreement, applicant shall make a request for explanation orretest within 15 days after the report issue date,otherwise no requests will beaccepted.

SPECIMEN DESCRIPTION:

Manufacturer:	Guangdong Wealwell Technology Co., Ltd.
Trade mark:	Wealwell
Model name:	YC318GE
Batch No:	/
Quantity:	1 pc
Condition:	Proper packaging
Receipt Date:	02 Dec. 2022

The lab accepts no responsibilty for the selection of the specimen(s).

SPECIMEN No.:

WT(22)-GT-1367-2 (No CAB specimen number was provided.)

Note: YC series including **YC318GE**, YC318G, YC328G, YC368GE, YC368G, YC518GE, YC518G, YC618GE, YC618G. All models same WC pan, construction and key components except for different electronic functions and size of the lids. YC318GE was selected for whole test.

TESTS:

The specimen was tested for compliance with WMTS-051:2016.

RESULTS:

The results are shown in the following pages under the relevant clause numbers.
N/A denotes that the clause is not applicable to the specimen.
N/C denotes that the specimen did not comply with the clause.
N/D denotes that compliance with the clause could not be determined.
The results are applicable only to the specimen(s) tested.

ATTACHMENT:

Appendix A- Photo of specimen

REPORT:

The following report is in the form of a clause-by-clause discussion of the results of testing and examination of the specimen to the requirements of WMTS-051:2016.

WMTS-051:2016

8 DESIGN

8.1 End connections ..... COMPLIED

As the connectors of the specimen were metallic threaded ends, compliance with AS 1722.2- 1992 was reported, as follows:

GO and NOT GO gauge test:

Specimen	External thread	GO gauge(turns)	NOT GO gauge(turns)
YC318GE	G 1/2	6.2	0.8

The threads complied with the requirements of AS 1722.2-1992.

The specimen complied with the requirements of Clause 8.1 of WMTS-051:2016.

8.2 Integral plumbing components, accessories or fittings ..... COMPLIED

The manufacturer will make sure all key components to comply with WaterMark and applicable standards, i.e. hose set AS/NZS 3499 or IEC 61770 etc.

The specimen complied with the requirements of Clause 8.2 of WMTS-051:2016.

8.3 Backflow prevention ..... COMPLIED

The specimen was tested in accordance with AS/NZS2845.1-2010, as follows:

AS/NZS2845.1-2010.

3.7.3 Heated water

The specimen was tested in accordance with Appendix E of AS/NZS 2845.1:2010. The specimen was mounted in the test system in its normal working position as ilustrated in Appendix Z.

Connected to the pressurizing system, the specimen was conditioned to 40°C(MOT) in accordance with Paragraph C1.8, Appendix C, and maintained at this temperature for the duration of the test.

The water pressure was raised to 0.63MPa(1.25xAOP) and maintained the pressure continuously for a period of 8 h in one day and for a total of 80 h.

When retested the specimen for opening pressure in accordance with Appendix X, the inlet and outlet pressures at which water begins to discharge from the specimen did not change and no back-siphonage through the specimen was found.

3.7.4 Postive pressure

The specimen was tested in accordance with Appendix F of AS/NZS 2845.1:2010. The specimen was mounted in the pressure system in its normal operating position.

Purged of air, the specimen was supplied with a hydrostatic test pressure of 0.63MPa(1.25x AOP) at the inlet, and the pressure was maintained for 5min. For the duration of the test, no sign of leakage or distortion was found.

The specimen was capable of withstanding the pressure of 0.63MPa at 40°C without leakage or distortion.

3.7.5 Reverse pressure

The specimen was tested in accordance with Appendix G of AS/NZS 2845.1:2010. The procedure shall be as follows:

Mounted in its normal working position, the specimen was conditioned in accordance with Paragraph C1.8, Appendix C at 40°C(MOT), and maintained this temperature for the duration of the test.

The pressure upstream of the specimen was reduced to atmospheric pressure.

The pressure downstream of the specimen was raised to a hydraulic pressure of 0.75MPa(1.5xAOP) and held for a period of 5min.

No leakage or distortion was found during and after the test.

7.4.2 Non-return valve closing pressure

The specimen was tested in accordance with Appendix U of AS/NZS 2845.1:2010.

The specimen was mounted to the test rig in its normal operating position.

The specimen was attached to the water supply as shown in Figure1, as follows:

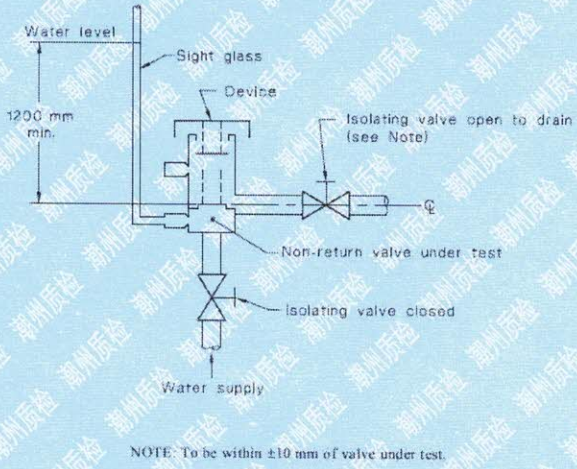

Figure 1

With the downstream held open at atmospheric pressure, a water pressure of 7 kPa was applied to the specimen in the direction of normal water flow, no leakage was found during the test.

Then, closed the test tap, to which the sight glass was connected.

With the downstream held open, the isolating valve was slowly opened until a flow rate of 0.068 L/s was obtained.

Under flow conditions, the test tap, to which the sight glass was connected, was slowly opened, until the sight glass was filled to a level of 1200 mm.

Close the isolating valve and fully open the test tap to which the sight glass was connected.

After a period of 30 min, the water level in the sight glass was still 1200 mm.

No leakage past the non-return valve as indicated by the sight glass.

7.4.3 Rated flow and pressure loss

The specimen was tested in accordance with Appendix K of AS/NZS 2845.1:2010.

The specimen was mounted in the test system in its normal working position, as

ilustrated in Appendix Z of AS/NZS 2845. 1:2010.
A steady pressure of 62.5 kPa was maintained to the upstream of the specimen. Purged of air, the specimen was adjusted until the pressure loss of 50 kPa was reached.
The rate of flow was recorded as 0.70 L/s.

7.4.4 Endurance

The specimen was tested in accordance with Appendix CC of AS/NZS 2845.1:2010.
The specimen was mounted in the test system in its normal working position.
Connected to the pressurizing system, the specimen was conditioned in heated water at 40°C(MOT), and maintained at this temperature for the duration of the test.
At a rate of 10 cycles/min, the specimen was subjected to an altemating flow through the assembly between zero and the rated flow of 0.70 L/s.
The specimen was tested for 50000 cycles at the appropriate temperature.
There was no replacement of parts during or fllowing completion of the cycling of the endurance test.
Following the endurance test, the specimen was retested in accordance with Appendix U of AS/NZS 2845.1:2010, and no leakage was found for the duration of the test.
Then, the specimen was tested in accordance with Appendix K of AS/NZS 2845.1:2010.
A steady upstream pressure of 62.5 kPa was applied to the specimen until the air was purged from the system.
Then adjust the discharge valve, until the maximum allowable pressure loss of 50KPa obtained.
The rated water flow of the specimen was 0.70 L/s.
The specimen complied with the requirement of Clause 8.3 of WMTS-051:2016.

9 PERFORMANCE REQUIREMENTS AND TEST METHODS

9.2 Assembly hydrostatic strength test ..... COMPLIED

The specimen was tested in accordance with Appendix B of WMTS-051:2016.
The specimen was purged all the air and circulated water at 40°C through the components subject to permanent hydrostatic pressure for a period of 15 min, a pressure of 500 kpa was applied to the specimen for 60 min.
No leaks or permanent distortion was found.
The specimen complied with the requirement of Clause 9.2 of WMTS-051:2016.

END OF REPORT

Approved by: Reviewed by: Prepared by:

Appendix A

Photo of specimen: