

<b>TEST REPORT</b> <b>EN 14527</b> <b>Shower trays for domestic purposes</b>	
Report Reference No.....:	200911166GZU-001
Tested by (name and signature).....:	Ken Chen Engineer
Approved by (name and signature).....:	Felix Li Technical Supervisor
Date of issue.....:	September 29, 2020
Date of revised issue.....:	April 2, 2022
Contents.....:	Total test report 13 pages including: Report text: 11 pages Appendix A for product photos: 1 page Appendix B for revision page: 1 page
<b>Testing Laboratory name</b> .....	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch
Address .....	Room 4103 & 4203, No. 63, Punan Road, Huangpu District, Guangzhou, Guangdong Province, China
Testing location.....:	Same as above
<b>Applicant's name</b> .....:	JINGZHOU YONGTAIHENG ENTERPRISE
Address .....	RM 707, VICTORIA PLAZA, NO.23 HONGMEN ROAD, JINGZHOU, HUBEI, CHINA 434000
<b>Test specification:</b>	
Standard .....	EN 14527: 2016+A1: 2018 (E)
Non-standard test method.....:	N/A
<b>Test Report Form No</b> .....:	TTRF_EN 14527_c
TTRF Originator .....	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch
Master TTRF .....	Dated 2019-4-4
<b>Test item description</b> .....	Shower tray
Trade Mark .....	---
Model and/or type reference .....	See "General product information" on page 4
Manufacturer .....	---
Rating(s) .....	See "General product information" on page 4

When this European Standard (EN 14527: 2016+A1: 2018) is cited in the Official Journal of the European Union (OJEU), it shall be possible to use it as a basis for the establishment of the Declaration of Performance (DoP) and the CE marking, from the date of the beginning of the coexistence period as specified in the OJEU.

*The CE marking symbol shall be in accordance with the general principles set out in Article 30 of Regulation (EC) No. 765/2008. It may be followed by a pictogram or any other mark notably indicating a special risk or use.*

— *It shall be affixed visibly, legibly and indelibly:*

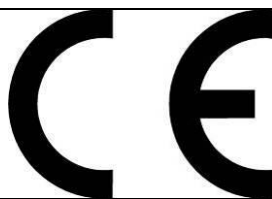
— *to the product or*

— *to a label attached to it.*

— *Where this is not possible or not warranted on account of the nature of the product, it shall be affixed:*

— *to the packaging or*

— *to the accompanying documents.*



JINGZHOU YONGTAIHENG ENTERPRISE  
RM 707, VICTORIA PLAZA, NO.23 HONGMEN ROAD,  
JINGZHOU, HUBEI, CHINA 434000

22

XXXXX

YYYYY

PH

EN 14527

CL1+CL2

Remark:

1. "XXXXX" should be the reference number of the DoP.

2. "YYYYY" should be the unique identification code of the product type.

Summary of testing:

The submitted samples were tested and found to **COMPLY WITH** applicable requirements of EN 14527: 2016+A1: 2018 (E).

<b>Test item particulars:</b>
Classification of installation and use..... : For personal hygiene Supply Connection ..... : —
<b>Possible test case verdicts:</b>
- 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)
<b>Testing:</b>
Date of receipt of test item ..... : September 11, 2020 and March 21, 2022 Date (s) of performance of tests ..... : September 15, 2020 to September 23, 2020 and March 23, 2022 to March 28, 2022
<b>General remarks:</b>
<p>This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.</p> <p>"(See remark #)" refers to a remark appended to the report.</p> <p>"(See Appendix #)" refers to an appendix appended to the report.</p> <p>When determining the test result, measurement uncertainty has been considered.</p> <p>The clause which indicated with * is the subcontract test item.</p> <p>All the tests results give the statement of conformity refer to the decision rule of "Procedure 2 "Accuracy Method" as stated in the IEC Guide 115:2007.</p> <p>The revised report replaces the report of the previous version.</p>

<b>General product information:</b>			
<b>Item</b>	<b>Model No.</b>	<b>Description</b>	<b>Remark</b>
1	L720X720X90	Square shower tray, made of non-vitreous china, overall size: 720x720x90mm	Covered model
2	L720X900X90	Rectangular shower tray, made of non-vitreous china, overall size: 720x900x90mm	Covered model
3	L800X800x90	Square shower tray, made of non-vitreous china, overall size: 800x800x90mm	Covered model
4	LS800X800X90	Corner shower tray, made of non-vitreous china, overall size: 800x800x90mm	Covered model
5	L900X900X100	Square shower tray, made of non-vitreous china, overall size: 900x900x100mm	Covered model
6	LS900X900X100	Corner shower tray, made of non-vitreous china, overall size: 900x900x100mm	Covered model
7	LS750X750X90	Corner shower tray, made of non-vitreous china, overall size: 750x750x90mm	Covered model
8	L700X1000X90	Rectangular shower tray, made of non-vitreous china, overall size: 700x1000x90mm	Covered model
9	L700X1200X110	Rectangular shower tray, made of non-vitreous china, overall size: 700x1200x110mm	Covered model
10	L800X1000X100	Rectangular shower tray, made of non-vitreous china, overall size: 800x1000x110mm	Covered model
11	L800X1200X110	Rectangular shower tray, made of non-vitreous china, overall size: 1200x800x110mm	Tested model
12	L700X1400X110	Rectangular shower tray, made of non-vitreous china, overall size: 700x1400x110mm	Covered model
13	L800X1400X110	Rectangular shower tray, made of non-vitreous china, overall size: 800x1400x110mm	Tested model
14	L800X800X65	Square shower tray, made of non-vitreous china, overall size: 800x800x65mm	Covered model
15	L720X900X65	Rectangular shower tray, made of non-vitreous china, overall size: 720x900x65mm	Covered model
16	L700X1000X65	Rectangular shower tray, made of non-vitreous china, overall size: 700x1000x65mm	Covered model
17	L700X1200X65	Rectangular shower tray, made of non-vitreous china, overall size: 700x1200x65mm	Covered model
18	L900X900X65	Square shower tray, made of non-vitreous china, overall size: 900x900x65mm	Covered model
19	LS900X900X65	Corner shower tray, made of non-vitreous china, overall size: 900x900x65mm	Tested model
20	L800X1000X65	Rectangular shower tray, made of non-vitreous china, overall size: 800x1000x65mm	Covered model
21	L800X1200X65	Rectangular shower tray, made of non-vitreous china, overall size: 800x1200x65mm	Covered model
22	L800X800X150	Square shower tray, made of non-vitreous china, overall size: 800x800x150mm	Covered model
23	LS800X800X150	Corner shower tray, made of non-vitreous china, overall size: 800x800x150mm	Covered model
24	XNL700X700X90	Square shower tray, made of non-vitreous china, overall size: 700x700x90mm	Covered model
25	XNL800X800X90	Square shower tray, made of non-vitreous china, overall size: 800x800x90mm	Covered model
26	XNL900X900X100	Square shower tray, made of non-vitreous china, overall size: 900x900x100mm	Tested model

**Remark:** The covered models were the same as the tested models in structure, materials and manufacturer process, just different in size.

EN 14527			
Clause	Requirement - Test	Result - Remark	Verdict
5	Characteristics for Type 1 products		
5.1	General With each shower tray detailed instructions on installation and care shall be provided.		P
5.2	Cleanability		
5.2.1	Appearance of surface When a shower tray is inspected under strong and oblique illumination, the surfaces intended to come into contact with water shall be visibly smooth, non-absorbent and free from inaccessible corners that would impair cleanability.  NOTE Surfaces with cracks, chips, crazing and other similar defects are not considered to be smooth.	Complied	P
5.2.2	Drainage of water Shower trays shall have at least one waste outlet hole. The dimensions of the waste outlet hole shall comply with the requirements of EN 251. Other dimensions are permissible, if the manufacturer provides or recommends a suitable waste fitting.  All water shall empty from the shower tray unless prevented by surface tension.	The submitted samples met the requirement of EN251.  No water remained.	P
5.3	Durability		
5.3.1	General Conformance with requirements of 5.3.2 to 5.3.4 give an assurance of durability of cleanability.	Please refer to clause 5.3.2 to 5.3.4	P
5.3.2	Stability of bottom When tested in accordance with 8.1, there shall be no permanent distortion or other defects, e.g. cracks, such that the requirements of 5.2.2 are not satisfied.	No permanent distortion or other defects.	P
5.3.3	Resistance to chemicals and staining agents		
5.3.3.1	General When shower trays, other than those made from the materials specified in 5.3.3.2, are tested in accordance with 8.2, the surface finish shall be unaffected by the chemicals and staining agents specified in Table 1 except for superficial surface changes which are removable with water or with water and the specified abrasive agent.  Experience has shown that shower trays made of glazed ceramics comply with these requirements.	No affection to the surface by the chemicals and stains.	P

EN 14527			
Clause	Requirement - Test	Result - Remark	Verdict
5.3.3.2	Particular requirements for baths made of enamelled steel and enamelled cast iron Shower trays made from enamelled steel and enamelled cast iron shall comply with the requirements given in Table 2.		N/A
5.3.4	Resistance to temperature changes When tested in accordance with 8.3, all shower trays shall show no evidence of distortion or other defects, e.g. crazing, which will impair their cleanability. Experience has shown that shower trays manufactured from the stainless steel grades listed in Annex A, enamelled steel, enamelled cast iron and glazed ceramics comply with this requirement.	No evidence of distortion or other defects.	P
6	Characteristics for Type 2 products		
6.1	General With each shower tray detailed instructions on installation and care shall be provided.		P
6.2	Cleanability		
6.2.1	Appearance of surface When a shower tray is inspected under strong and oblique illumination, the surfaces intended to come into contact with water shall be visibly smooth, non-absorbent and free from inaccessible corners that would impair the cleanability. NOTE Surfaces with cracks, chips, crazing and other similar defects are not considered to be smooth.	Complied	P
6.2.2	Drainage of water Shower trays shall have at least one waste outlet hole. The dimensions of the waste outlet hole shall comply with the requirements of EN 251. Other dimensions are permissible, if the manufacturer provides or recommends a suitable waste fitting. All water shall empty from the shower tray unless prevented by surface tension.	The submitted samples met the requirement of EN251. No water remained	P
6.3	Durability		
6.3.1	General Shower trays shall be readily cleanable for their anticipated working life when normal cleaning and maintenance is carried out.	Complied	P

EN 14527			
Clause	Requirement - Test	Result - Remark	Verdict
6.3.2	<p>Materials</p> <p>Experience has shown that shower trays made from plastics materials, enamelled steel, enamelled cast iron, stainless steel, glazed ceramics or glass and their surfaces intended to come into contact with water have the properties described in 6.3.1.</p>	Complied	P
7	<p>Dangerous substances</p> <p>National regulations on dangerous substances may require verification and declaration on release, and sometimes content, when construction products covered by this standard are placed on those markets.</p> <p>In the absence of European harmonized test methods, verification and declaration on release/content should be done taking into account provisions in the place of use.</p>	Informative	—
9	Marking, labelling and packaging		—
10	Assessment and verification of constancy of performance-AVCP		
10.1	<p>General</p> <p>The compliance of a shower tray with the requirements of this standard and with the performances declared by the manufacturer in the Declaration of Performance (DoP) shall be demonstrated by:</p> <ul style="list-style-type: none"> <li>—type testing (see 10.2);</li> <li>— factory production control by the manufacturer (FPC), including product assessment (see 10.3).</li> </ul> <p>The manufacturer shall always retain the overall control and shall have the necessary means to take responsibility for the conformity of the product with its declared performance(s).</p>		P
10.2	Type testing		
10.2.1	<p>General</p> <p>All performances related to characteristics included in this standard shall be determined when the manufacturer intends to declare the respective performances unless the standard gives provisions for declaring them without performing tests. (e.g. use of previously existing data, CWFT and conventionally accepted performance).</p>		P

EN 14527			
Clause	Requirement - Test	Result - Remark	Verdict
10.2.2	<p>Samples, testing and compliance criteria</p> <p>The shower tray shall be subjected to and pass the relevant tests in Table 4.</p> <p>The number of samples of shower tray to be tested/assessed shall be in accordance with Table 4 and/or Table 5.</p>		P
10.3	Factory Production Control		
10.3.1	<p>General</p> <p>The manufacturer shall establish, document and maintain a factory production control (FPC) system to ensure that the products placed on the market conform with the stated performance characteristics.</p> <p>The FPC system shall consist of procedures, regular inspections and tests and/or assessments and the use of the results to control raw and other incoming materials or components, equipment, the production process and the product.</p> <p>The results of inspections, tests or assessments requiring action shall be recorded. The action to be taken when control values or criteria are not met shall be recorded.</p>	The applicant supplied ISO 9001 certificate.	P
10.3.2	Equipment		
10.3.2.1	<p>Testing</p> <p>All weighing, measuring and testing equipment shall be calibrated and regularly inspected according to documented procedures, frequencies and criteria.</p>	The applicant supplied ISO 9001 certificate.	P
10.3.2.2	<p>Manufacturing</p> <p>All equipment used in the manufacturing process shall be regularly inspected and maintained to ensure use, wear or failure does not cause inconsistency in the manufacturing process. Inspections and maintenance shall be carried out and recorded in accordance with the manufacturer's written procedures and the records retained for the period defined in the manufacturer's FPC procedures.</p>	The applicant supplied ISO 9001 certificate.	P
10.3.3	<p>Raw materials and components</p> <p>The specifications of all incoming raw materials and components shall be documented, as shall the inspection scheme for ensuring their conformity. In cases where supplied kit components are used, the constancy of performance system of the component shall be that given in the appropriate harmonized technical specification for that component.</p>	The applicant supplied ISO 9001 certificate.	P



EN 14527			
Clause	Requirement - Test	Result - Remark	Verdict
10.3.4	<p>Product testing and assessment</p> <p>The manufacturer shall establish and document procedures to ensure that the stated values of all of the characteristics are maintained.</p>	The applicant supplied ISO 9001 certificate.	P
10.3.5	<p>Non-conforming products</p> <p>The manufacturer shall have written procedures which specify how non-conforming products shall be dealt with. Any such events shall be recorded as they occur and these records shall be kept for the period defined in the manufacturer's written procedures.</p> <p>Where the product fails to satisfy the acceptance criteria, the provisions for non-conforming products shall apply, the necessary corrective action(s) shall immediately be taken and the products or batches not conforming shall be isolated and properly identified.</p> <p>Once the fault has been corrected, the test or verification in question shall be repeated.</p> <p>The results of controls and tests shall be properly recorded. The product description, date of manufacture, test method adopted, test results and acceptance criteria shall be entered in the records under the signature of the person responsible for the control/test.</p> <p>With regard to any control result not meeting the requirements of this European standard, the corrective measures taken to rectify the situation (e.g. a further test carried out, modification of manufacturing process, throwing away or putting right of product) shall be indicated in the records.</p>	The applicant supplied ISO 9001 certificate.	P
10.3.6	<p>Corrective action</p> <p>The manufacturer shall have documented procedures that instigate action to eliminate the cause of nonconformities in order to prevent recurrence.</p>	The applicant supplied ISO 9001 certificate.	P

EN 251			
Clause	Requirement - Test	Result - Remark	Verdict
3	Connecting dimensions		
3.1	<p>Basic dimensions</p> <p>The basic dimensions H, a, H<sub>1</sub> and h<sub>1</sub> shall comply with those given in Table 1 to enable compatibility with waste fittings in accordance with EN 274-1.</p>		N/A
3.2	<p>Diameter of waste outlet hole</p> <p>The dimensions of the waste outlet hole shall be as given in Table 2 to enable compatibility with EN 274-1.</p>	Please refer to Table 1 on page 11	P
3.3	<p>Clearance around the waste outlet hole</p> <p>The clearance around the waste outlet hole shall comply with the dimensions given in Table 3.</p>	Please refer to Table 2 on page 11	P
3.4	<p>Dimensions and clearance around the overflow hole</p> <p>The dimensions and the clearance around the overflow hole, if provided, shall comply with Table 4.</p>		N/A

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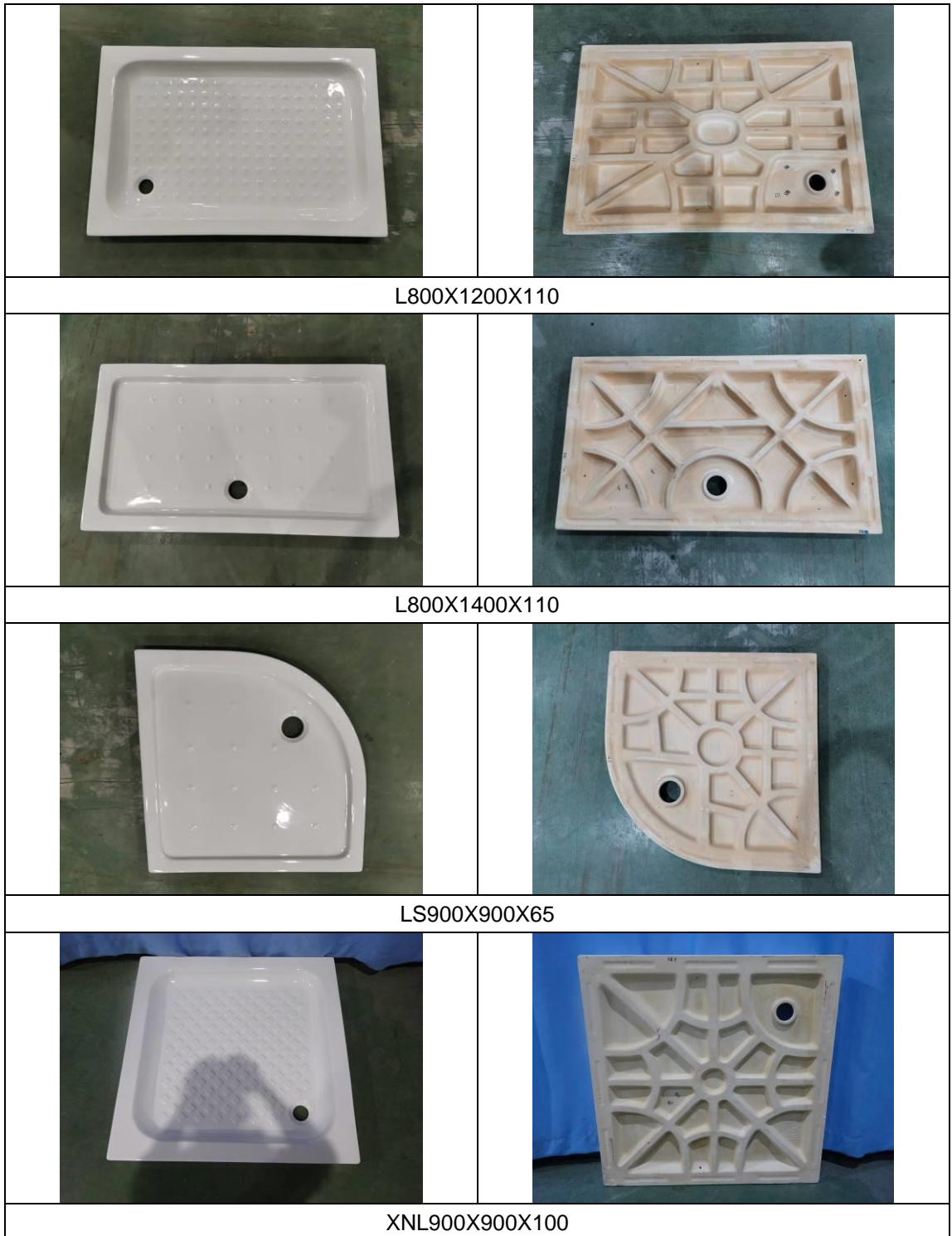
**Table 1: Test result of Clause 3.2 of EN 251**

Required (mm)	Result (mm)			
	L800X1200X110	L800X1400X110	LS900X900X65	XNL900X900X100
D <sub>2</sub> (60~65) or (88~93)	63.72	92.42	91.68	63.36
D <sub>3</sub> (85 or 115)	85	115	115	85
$\alpha$ ( $\leq 120^\circ$ )	96°	109°	109°	110.3°
h <sub>2</sub> (6~25)	22.28	23.58	24.41	21.52
s ( $\geq 3$ )	8.64	13.34	10.98	7.70
e ( $\geq 2$ )	5.86	4.12	4.72	5.99

**Table 2: Test result of Clause 3.3 of EN 251**

Required (mm)	Result (mm)			
	L800X1200X110	L800X1400X110	LS900X900X65	XNL900X900X100
R ( $\geq 80$ )	97	100	101	85.63
f ( $\leq 15$ )	N/A	N/A	N/A	N/A

**Appendix A  
Product photos**



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GUANGZHOU

**Appendix B**  
**Revision page**

Revision No.	Date	Changes	Author	Reviewer
0	September 29, 2020	First issue	Syanson Xu	Bink Xu
1	April 2, 2022	1. Added 1 tested model (XNL900X900X100) and 2 covered models (XNL700X700X90, XNL800X800X90) in this report; 2. Updated the CE marking and product photos.	Ken Chen	Felix Li

\*\*\*\*\*End of this report\*\*\*\*\*