



Test Report

No.: SHHL1901004009CE-01

Date: MAR. 13, 2019

Page: 1 of 8

XUANCHENG ODS SANITARY WARE CO.,LTD.

XUANCHENG ECONOMY AND TECHNOLOGY DEVELOPMENT AREA, XUANCHENG CITI,
ANHUI, CHINA

THE TEST REPORT IS THE SUPPLEMENT OF THE TEST REPORT NO.: SHHL1901004009CE,
DATE: FEB. 20, 2019

Sample Description : SHOWER ROOM
Style No. : AUSTIN
Client Ref. Information : 1200*800*1950MM, 700*1000*1950MM,
700*1200*1950MM, 700*900*1950MM,
800*1000*1950MM, 800*800*1950MM
Sample Receiving Date : JAN. 22, 2019
Testing Period : JAN. 22, 2019 TO FEB. 20, 2019
Testing Location : 3RD BUILDING, LANE 3999, XIUPU ROAD, PUDONG
NEW AREA, SHANGHAI
Test Performed : SELECTED TEST(S) AS REQUESTED BY APPLICANT
Test Requested : EN 14428:2015+A1:2018 SHOWER ENCLOSURES-
FUNCTIONAL REQUIREMENTS AND TEST METHODS



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Test Result(s) : FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S)

Conclusion : THE SUBMITTED SAMPLE MET THE TEST REQUIREMENT.

Since the above data and / or information is provided by the applicant, the relevant results or conclusions of this report are only made for these data and / or information, SGS is not responsible for the authenticity, integrity and results of the data and information and / or the validity of the conclusion. Testing results only apply to the sample as received.

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.



Yomoro Gu
Authorized Signatory



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General product information

Manufactured from XUANCHENG ODS SANITARY WARE CO., LTD.

THE SAMPLE SUBMITTED WAS A SHOWER ENCLOSURE. OVERALL DIMENSION: 1200 X 800 X 1950MM. GLASS: 6 MM TRANSPARENT TEMPERED GLASS. FRAME: ALUMINUM IN SILVER.

Style No.: AUSTIN

Copy of marking plate and summary of test results (information/comments):



XUANCHENG ODS SANITARY WARE CO., LTD.
 XUANCHENG ECONOMY AND TECHNOLOGY
 DEVELOPMENT AREA, XUANCHENG CITI, ANHUI, CHINA
 19

Declaration of Performance xxxxxx

EN 14428:2015+A1:2018

Intended use: Personal hygiene

Product type: SHOWER ROOM AUSTIN

Cleanability:	Pass
Impact resistance/shatter properties:	Pass
Durability:	Pass

CE marking on the product

Summary of testing:

The submitted sample was tested and found to comply with applicable requirements of EN 14428:2015+A1:2018.



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Test Conducted:

1. EN 14428:2015+A1:2018 Shower enclosures - Functional requirements and test methods

Sample size: 1 piece

Clause	Test Method/ Requirement	Test Result	Rating
4 Characteristics			
4.1 General	With each shower enclosure detailed instructions on installation and use, to include at least the following information shall be provided: --- description of installation with special consideration of building construction and necessary tools and sealant; --- instructions for appropriate maintenance and care, including guidance on cleaning.	The instruction was provided by client	Pass
4.2 Cleanability	When inspected visually, the surfaces of the components of the shower enclosures which are accessible during use and cleaning shall be free from sharp corners, edges and burrs. When using recommended cleaning agents in accordance with the manufacturer's installation and care instructions, there shall be no reduction in safety or function of the shower enclosure.	/	Pass
4.3 Impact resistance/shatter properties			
4.3.1 General	Shower enclosures may be glazed with various materials. Where glass is used, this shall meet the requirements of 4.3.2 or 4.3.3 and where plastics materials are used, they shall meet the requirements of 4.3.4.	Thermally toughened safety glass	Pass
4.3.2 Thermally toughened safety glass	4.3.2.1 Thermally toughened flat safety glass Thermally toughened safety glass shall meet the requirements of prEN 12150-1:2013.	EN 12150-1:2015 test report was provided See Remark 1	Pass
	4.3.2.2 Thermally toughened curved safety glass Test in accordance with standard to ensure that under these test conditions the glass has a particle count of 40 or greater and the length of the longest particle shall not exceed 100 mm.	Not curved safety glass	N/A
4.3.3 Laminated safety glass	Laminated safety glass shall conform to EN 14449 and EN ISO 12543-2. Laminated safety glass shall not have holes, for example for fixings, hinges, handles or any other fittings. NOTE: Laminated safety glass is susceptible to water penetration from the edges if they are not suitably protected.	Not laminated safety glass	N/A



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Clause	Test Method/ Requirement	Test Result	Rating
4.3.4 Plastics materials	When tested in accordance with standard, sheets shall not break or they shall break safely.	Not plastics materials	N/A
4.4 Durability			
4.4.1 General	Products conforming to the requirements of 4.2 and 4.3 and the following are deemed to be durable.	/	Pass
4.4.2 Corrosion resistance	<p>All components shall consist of corrosion-proof materials or shall be corrosion-protected.</p> <p>All corrosion protection performances shall be evaluated with test methods specified in an appropriate European or International Standard. The standard used and the results of the test shall be recorded.</p> <p>Examples of minimum requirements: — the minimum paint adhesion performance for powder-coated or wet-painted surfaces has a crosscut value ≤ 2 when tested in accordance with EN ISO 2409; — the minimum average thickness of coating on aluminium is of grade AA5 when tested in accordance with one of the methods given in EN ISO 7599. In no cases is minimum local thickness less than 80 % of the minimum average thickness. — Compliance with the neutral salt spray (NSS) test e.g. as specified in EN ISO 9227 corrosion test in artificial atmospheres - salt spray tests with a minimum exposure time of 200 h; The defect surface area A is less than or equal to 0,1 % ($A \leq 0,1 \%$). The defects do not exceed a dimension of 0,3 mm.</p> <p>This list is not exhaustive.</p>	/	Pass
4.4.3 Resistance to chemicals and Stains	When tested in accordance with standard the glazing materials shall not show permanent staining or deterioration.	No permanent staining or deterioration	Pass
4.4.4 Resistance to wet and dry cycling	<p>When tested in accordance with standard, the glazing materials shall not show any cracks, crazing or discoloration.</p> <p>Uncoated and unpainted thermally toughened safety glass is deemed to be resistant to wet and dry cycling and need not be tested.</p>	/	Pass
4.4.5 Endurance	When tested in accordance with standard, shower enclosures shall not show any functional deterioration after 20 000 closing-opening cycles.	No functional deterioration	Pass



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Clause	Test Method/ Requirement	Test Result	Rating
4.4.6 Stability	When tested in accordance with standard, shower enclosures shall withstand an energy representing the impact of a human body on a large impact area (e.g. blow from shoulder, fall) without any functional deterioration which could result in injury to the user.	No functional deterioration	Pass
4.4.7 Water retention	When tested in accordance with standard, shower enclosures shall retain water. A few small drops of water on the outside of the water retaining area are acceptable. Where shower enclosures are intended for installation in wet room environments (where watertightness is not required), water may temporarily pass outside the water retaining area as long as it is drained to the water retaining area.	No leakage	Pass
4.5 Dangerous substances	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. 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. NOTE: An informative database covering European and national provisions on dangerous substances is available at the Construction website on EUROPA accessed through: http://ec.europa.eu/enterprise/construction/cpd-ds/ .	/	N/A
6 Marking			
	The intended use of a shower enclosure is personal hygiene in accordance with the scope of this standard. EXAMPLE 1 Use of full text Personal hygiene. EXAMPLE 2 Use of abbreviation PH. Shower enclosures can be described with a designation code which includes all the fulfilled essential requirements. The relevant Essential Characteristics for shower enclosures including their abbreviations are given in Table 3.	CE label was provided	Pass



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Clause	Test Method/ Requirement	Test Result	Rating										
	<p>Table 3 — Characteristics and abbreviations</p> <table border="1"> <thead> <tr> <th>Abbreviation</th> <th>Characteristics</th> </tr> </thead> <tbody> <tr> <td>EN 14428</td> <td>Number of European Standard for shower enclosures for product description</td> </tr> <tr> <td>CA</td> <td>Cleanability</td> </tr> <tr> <td>IR</td> <td>Impact resistance/shatter properties</td> </tr> <tr> <td>DA</td> <td>Durability</td> </tr> </tbody> </table> <p>All shower enclosures shall be designated in accordance with the following system:</p> <p>Number of standard _____ EN 14428 CA — IR — DA Cleanability _____ Impact resistance/shatter properties _____ Durability _____</p>	Abbreviation	Characteristics	EN 14428	Number of European Standard for shower enclosures for product description	CA	Cleanability	IR	Impact resistance/shatter properties	DA	Durability		
Abbreviation	Characteristics												
EN 14428	Number of European Standard for shower enclosures for product description												
CA	Cleanability												
IR	Impact resistance/shatter properties												
DA	Durability												

Remark:

- 1.The test report SHIN180802600CCM for 6 mm transparent glass, issued by SGS lab on Sep. 27, 2018 was provided for thermally toughened safety glass test review.
- 2.N/A= Not applicable.

The declaration of conformity is only based on the actual value of laboratory activity, measurement uncertainty of the results not take into account.

The test report updated client ref. information.



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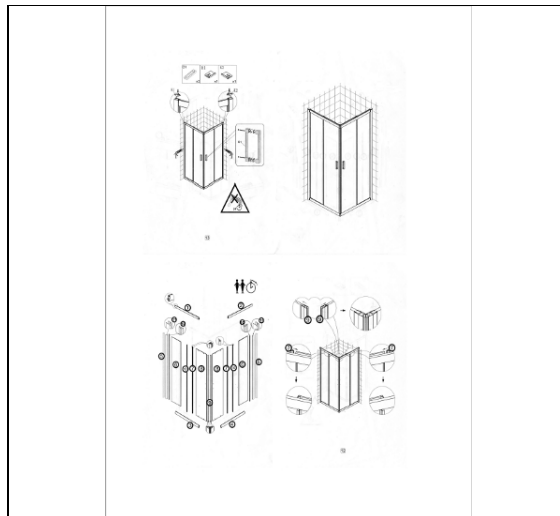
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Sample Photo:

Test sample



Instruction



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