TEST REPORT
EN 14688
Sanitary appliances—Wash basins—Functional requirements and test methods

Report Reference No.....:	220330037GZU-001
Tested by (name and signature).....:	Ken Chen Engineer
Approved by (name and signature)....:	Syanson Xu Senior Project Engineer
Date of original issue .....:	April 14, 2022
Date of revised issue .....:	------
Contents.....:	Total test report 9 pages including: Report text: 7 pages Appendix A for product photos: 1 page Appendix B for revision page : 1 page
Testing Laboratory name .....:	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
Applicant's name.....:	Domo Sanitary Ware Co., Ltd
Address .....:	3rd Floor, No. 1299, North Second Ring East Road, Dongxiao Street, Jinhua City, Zhejiang Province
Test specification:	
Standard.....:	EN 14688:2015+A1:2018 (E)
Non-standard test method.....:	N/A
Test Report Form No. .....:	TTRF_EN 14688_c
TTRF Originator .....:	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch
Master TTRF.....:	Dated 2019-3-20
Test item description.....:	Wash Basin
Trade Mark .....:	---
Model and/or type reference.....:	See "General product information" on page 3~4.
Manufacturer .....:	---
Rating(s).....:	See "General product information" on page 3~4.

When this European Standard (EN 14688:2015+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.*

CE marking (Model THIN 121-2S for example)



Domo Sanitary Ware Co.,Ltd
3rd Floor, No. 1299, North Second Ring East Road, Dongxiao Street, Jinhua City, Zhejiang Province

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XXXXX

YYYYY

Personal hygiene

EN 14688 – CL20

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 14688:2015+A1:2018 (E).

Test item particulars:	
Classification of installation and use..... :	For personal hygiene
Supply Connection..... :	—
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)
Testing:	
Date of receipt of test item ..... :	March 29, 2021
Date (s) of performance of tests ..... :	March 30, 2022 to April 12, 2022

General remarks:

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"(See remark #)" refers to a remark appended to the report.

"(See Appendix #)" refers to an appendix appended to the report.

When determining the test result, measurement uncertainty has been considered.

The clause which indicated with * is the subcontract test item.

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.

The revised report replaces the report of the previous version.

General product information:

Model No.	Overflow class	Description	Specification	Remark
THIN 121-2S	CL20	Wash basin, manufactured from ceramic, double bowls, with holes for supply fitting, with overflow holes.	121*46*16.5CM	Tested model
THIN 121-1S	CL15	Wash basin, manufactured from ceramic, single bowl, with hole for supply fitting, with overflow hole	121*46*16.5CM	Tested model
THIN 61		Wash basin, manufactured from ceramic, single bowl, with hole for supply fitting, with overflow hole	61*46*16.5CM	Covered model
THIN 71		Wash basin, manufactured from ceramic, single bowl, with hole for supply fitting, with overflow hole	71*46*16.5CM	Covered model
THIN 81		Wash basin, manufactured from ceramic, single bowl, with hole for supply fitting, with overflow hole	81*46*16.5CM	Covered model

THIN 91		Wash basin, manufactured from ceramic, single bowl, with hole for supply fitting, with overflow hole	91*46*16.5CM	Covered model
THIN 101		Wash basin, manufactured from ceramic, single bowl, with hole for supply fitting, with overflow hole	101*46*16.5CM	Covered model
ETNA 61	CL15	Wash basin, manufactured from ceramic, single bowl, with hole for supply fitting, with overflow hole	61*46*17CM	Covered model
ETNA 71		Wash basin, manufactured from ceramic, single bowl, with hole for supply fitting, with overflow hole	71*46*17CM	Covered model
ETNA 81		Wash basin, manufactured from ceramic, single bowl, with hole for supply fitting, with overflow hole	81*46*17CM	Covered model
ETNA 91		Wash basin, manufactured from ceramic, single bowl, with hole for supply fitting, with overflow hole	91*46*17CM	Covered model
ETNA 101		Wash basin, manufactured from ceramic, single bowl, with hole for supply fitting, with overflow hole	101*46*17CM	Covered model
ETNA 121-1S		Wash basin, manufactured from ceramic, single bowl, with hole for supply fitting, with overflow hole	121*46*17CM	Tested model
ETNA 121-2S	CL15	Wash basin, manufactured from ceramic, double bowls, with holes for supply fitting, with overflow holes.	121*46*17CM	Covered model
ETNA 141-2S		Wash basin, manufactured from ceramic, double bowls, with holes for supply fitting, with overflow holes.	141*46*17CM	Tested model

Remark:

1. The covered models was the same as the tested model in structure, materials and manufacturer process, just different in size.

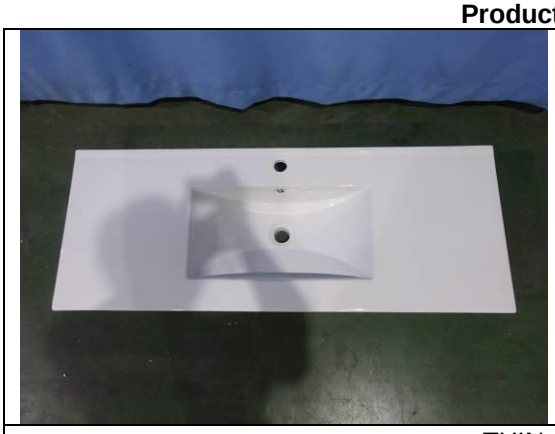
EN 14688			
Clause	Requirement - Test	Result - Remark	Verdict
4	Characteristics		
4.1	Load stability When tested in accordance with 5.2, wall-hung wash basins shall not crack, be broken or show permanent distortion.		N/A
4.2	Draining of water When tested in accordance with 5.3, all water shall drain away.	No water remained.	P
4.3	Resistance to temperature changes When wash basins are tested in accordance with 5.4, they shall not show defects, such as cracks or delamination which influences the intended use. Experience has shown that wash basins made of glazed ceramics, stainless steel, enamelled steel and glass comply with this requirement.	No defects.	P
4.4	Resistance to chemicals and staining agent When used as intended, any functional surface shall be resistant to household chemicals and cleansing agents recommended by the manufacturer. When tested in accordance with 5.5, wash basins shall not show any permanent surface deterioration, such as stains or deterioration not removable with water or abrasive agent. Experience has shown that wash basins made of glazed ceramics, stainless steel and enamelled steel comply with this requirement.	No permanent surface deterioration.	P
4.5	Surface stability This requirement is applicable only to multi-layer wash basins to ensure the stability of the top layer. When tested in accordance with 5.6, any scratch shall not exceed 0,1 mm and/or the total depth of the top layer whichever is the least. When tested in accordance with 5.7, the top layer of the test specimen shall not be abraded through. Experience has shown that wash basins made of glazed ceramics and enamelled steel comply with these requirements.	Complied	P

<table>
<tr><th colspan="4">EN 14688</th></tr>
<tr><th>Clause</th><th>Requirement - Test</th><th>Result - Remark</th><th>Verdict</th></tr>
<tr><td>4.6</td><td>Cleanability
When tested in accordance with 5.8, wash basins shall have smooth and readily cleansed non-absorbent functional surfaces which are free from acute internal corners which would be difficult to clean, i.e. surfaces intended to or likely to come into contact with water during use.
Experience has shown that wash basins manufactured from plastics materials, enamelled steel/cast iron, stainless steel, glazed ceramics and glass, designed and constructed without acute internal corners, satisfy this requirement.</td><td>Complied</td><td>P</td></tr>
<tr><td>4.7</td><td colspan="3">Protection against overflowing</td></tr>
<tr><td>4.7.1</td><td>Wash basins with overflow
Every wash basin shall be protected against overflowing. When tested in accordance with 5.9, the flow rate of a single overflow shall not be less than the values given in Table 1.
In two-bowl wash basins, it is permitted to have only one overflow, if the overflowing from one bowl to the other is ensured.</td><td><table><tr><th>Model no.</th><th>Overflow rate (L/s)</th><th>Overflow class</th></tr><tr><td>THIN 121-1S</td><td>0.19</td><td>CL15</td></tr><tr><td>THIN 121-2S</td><td>0.21/0.21</td><td>CL20</td></tr><tr><td>ETNA 121-1S</td><td>0.16</td><td>CL15</td></tr><tr><td>ETNA 141-2S</td><td>0.17/0.17</td><td>CL15</td></tr></table></td><td>P</td></tr>
<tr><td>4.7.2</td><td>Wash basins without overflow
A wash basin with a non-closable outlet or a floor gully may also be used as a protection against overflowing. In this case the wash basin is considered to be to be type CL 00.</td><td></td><td>N/A</td></tr>
<tr><td>4.8</td><td>Durability
Products conforming with the characteristics of 4.1 to 4.7 are deemed to be durable.</td><td>Complied</td><td>P</td></tr>
<tr><td>6</td><td>Dangerous substances</td><td>Informative</td><td>—</td></tr>
<tr><td>7</td><td>Marking and product designation</td><td></td><td>—</td></tr>
<tr><td>8</td><td colspan="3">Assessment and verification of constancy of performance - AVCP</td></tr>
<tr><td>8.1</td><td>General
The compliance of wash basins with the requirements of this standard and with the performances declared by the manufacturer in the DoP shall be demonstrated by clause 8.2 and 8.3</td><td></td><td>P</td></tr>
<tr><td>8.2</td><td colspan="3">Type testing</td></tr>
</table>

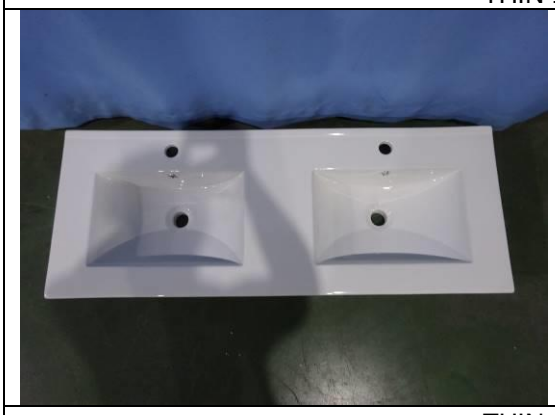
EN 14688			
Clause	Requirement - Test	Result - Remark	Verdict
8.2.1	General All performances related to characteristics included in this standard shall be determined when the manufacturer intends to declare the respective performances unless the standard gives provisions for declaring them without performing tests. (e.g. use of previously existing data, CWFT and conventionally accepted performance)		P
8.2.2	Test samples, testing and compliance criteria The number of samples of wash basins to be tested/assessed shall be in accordance with Table4		P
8.3	Factory Production Control (FPC)		
8.3.1	General The manufacturer shall establish, document and maintain an FPC system to ensure that the products placed on the market comply with the declared performance of the Essential Characteristics.	The applicant supplied ISO 9001 certificate.	P
8.3.2	Equipment All weighing, measuring and testing equipment shall be calibrated and regularly inspected according with the documented procedures, frequencies and criteria.	The applicant supplied ISO 9001 certificate.	P
8.3.3	Raw materials and components The specifications of all incoming raw materials and components shall be documented, as shall the inspection scheme for ensuring their conformity.	The applicant supplied ISO 9001 certificate.	P
8.3.4	Product testing and evaluation The manufacturer shall establish and document procedures to ensure that the stated values of all of the characteristics are maintained.	The applicant supplied ISO 9001 certificate.	P
8.3.5	Non-conforming products The manufacture shall have written procedures which specify how non-complying 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 manufacture's written procedures.	The applicant supplied ISO 9001 certificate.	P
8.3.6	Corrective action The manufacturer shall have documented procedures that instigate action to eliminate the cause of nonconformities in order to prevent recurrence.	The applicant supplied ISO 9001 certificate.	P

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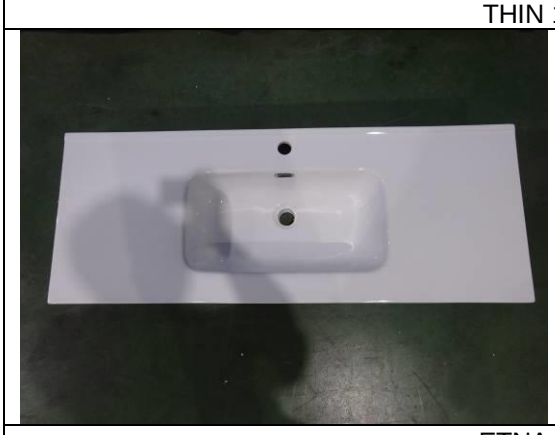
Appendix A
Product photos




THIN 121-1S




THIN 121-2S




ETNA 121-1S




ETNA 141-2S

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Appendix B
Revision page

Revision No.	Date	Changes	Author	Reviewer
0	April 14, 2022	First issue	Ken Chen	Syanson Xu

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