



Acme Sanitary Ware Co. Ltd.

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Since 1949

PROJECT		REF		REV	ITEM CODE	
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SANITARY WARE SPECIFICATION SHEET

Item Descriptions	Star (Thailand) "Kitty" Vitreous china wall hung washbasin with right hand side corner hole & overflow; tested on BS 1188:1974, BS 3402:1969, BS EN 14688:2006 ; capable of carrying a static load of 150kg; test report J27439 & J26110; complied with BFA 2008	<p style="text-align: center;">Illustration/ Drawing</p>
Dimensions	L410 x W300 x H212 mm	<p style="text-align: center;">TOP VIEW</p> <p style="text-align: center;">FRONT VIEW</p> <p style="text-align: center;">SIDE VIEW</p>
Model	S-4507	
Material/Colour	Vitreous China/ White	
Manufacturer	Star (Thailand)	
Source	Acme Sanitary Ware Co. Ltd Mr. Eric Wong/ Mr. Don Yuen	
Contact Tel/Fax	(852) 2388-7171 / (852) 2710-8012	
E-mail	acme@acmesanitary.com.hk	
Website	www.acmesanitary.com.hk	

<p>Note:</p>	<p>S-4507L (optional) LHS Taphole Washbasin is available</p>
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* All information of the above is for the reference only. No prior notice is made if any changes.



Test Report

Test

Title : Testing of Wash Basin
Method : BS 1188: 1974 & BS 3402: 1969
Report No. : J 27439
Completion : 15 Dec., 2021 to 28 Dec., 2021

Applicant (Information provided by client)

Name : Acme Sanitary Ware Co Ltd
Address : 1/F, Acme Building, 22-28 Nanking Street, Kowloon, Hong Kong

Sample (Information provided by client)

Description : Wall Hung Washbasin
Brand : Star
Model : S-4507 Right corner taphole
S-4507L Left corner taphole

Body Marking :



Manufacturer : Star Sanitaryware (Thailand) Co., Ltd.
Origin : Thailand

Approved Signatory

Signature : *Jak Kah Kuin*
Name (title) : Hing Kah Kuin (Engineer)
Date : 21 Jan., 2022

Nutek Systems is a testing agency,
accepted by the Water Supplies
Department, for testing water supply
fittings.

Summary

Test	Remark
1 Dimensions of Wash Basin	As Measured
2 Visual Examination	C
3 Water Absorption	C
4 Crazeing	C
5 Chemical Resistance Test	C
6 Resistance to Staining and Burning	C

Results (apply only to samples tested)

1 Dimensions of Wash Basin

BS 1188: 1974 Cl. 3.4, 3.7, 4 Table 1 & 2

Variable	Unit	Measured	BS Requirement	
Length	mm	300	/	
Width	mm	412	/	
Total surface area of overflow opening	mm ²	452	800 min.	
Depth from top edge of rim to inside base of bowl at centre of outlet	mm	165	165 ± 2%	
Distance of centre of outlet from extreme back	mm	133	180 ± 2%	
Diameter of tap hole	mm	35	30 + 2	
Waste	Diameter of recess for waste flange	mm	76	64 min.
	Depth of recess	mm	8.6	10 min.
	Diameter of waste hole	mm	44.4	44 min.

Note (*):

The dimensional requirement stated in BS 1188: 1974 are only for two sizes if wash basin :

1) Length: 620 – 650 mm, Width: 445 – 465 mm or

2) Length: 548 – 572 mm, Width: 396 – 414 mm

and do not apply to the tested sample which did not belong to either of these two sizes.



Report No.: J 27439

2 Visual Examination

BS 3402: 1969 Cl. 5.3, 5.4 & Table 3

Location	Blemish or defect	Maximum permitted	Remark
General	Wavy finish	None on all visible surfaces	C
	Warpage	Warpage of slab out of horizontal plane not to exceed 6 mm on all sizes (warpage of backs of wash basins which are attached to the wall not to exceed 3 mm)	C
	Discoloration	None on all visible surfaces	C
Service space, top of slab, inside of bowl, front of fascia	Spots, blister and pinholes	A total of not over two; no grouping; for coloured appliances, blister and pinhole limited to one.	C
	Bubbles and specks	A total of not over four; no grouping	C
	Polishing marks	One only; none permitted for coloured fixtures	C
Visible surfaces other than above	Spots, blisters and pinholes	One only on back or on either side; a total of not over three.	C
	Bubbles and specks	A total of not over four; no grouping.	C
Overall result			C

3 Water Absorption

BS 3402: 1969 Cl. 6

ID	Weight (g)		Absorption (%)	Required	Remark
	Before Test	After Test			
Sample 1	105.33	105.51	0.17	0.75% max.	C
Sample 2	111.38	111.59	0.19		C
Sample 3	98.48	98.70	0.22		C
Average			0.19	0.50% max.	C
Overall result					C

4 Crazeing

BS 3402: 1969 Cl. 7

ID	Variable	Unit	Measured	Required	Remark
1	Saturated steam	MN/m ²	0.34	0.33 - 0.35	C
	Duration	h	10	10	C
	Sample 1	---	No	No	C
	Sample 2	---	No		C
	Sample 3	---	No		C
Overall result					C



Report No.: J 27439

5 Chemical Resistance Test

BS 3402: 1969 Cl. 8

Table 4 — Chemical solutions

Name of Chemical	Strength of solution	Time	Temperature
	%	hours	°C
Acetic acid	10	16	100
Citric acid	10	16	100
Detergent (Note 1)	(Note 1)	48	60
Hydrochloric acid	(Note 2)	48	15 to 21
Sodium hydroxide	5	0.5	60
Sodium stearate	0.15	48	60
Sulphuric acid	3	16	100

NOTE 1 This consists of an aqueous solution containing 0.04 % (wt/vol) of a condensation product of nonylphenol with 8-10 molecules of ethylene oxide. A suitable solution which contains 0.15% (wt/vol) of the product is obtainable commercially under the trade name "Lissapol N".

NOTE 2 This solution consists of equal volumes of water and of hydrochloric acid of specific gravity 1.18.

ID	Solution	Time (h)	Temperature (°C)	Measured	Required	Remark
1	Acetic acid	16	100	No Loss	No loss of reflectivity on glaze	C
	Citric acid	16	100	No Loss		C
	Detergent	48	60	No Loss		C
	Hydrochloric acid	48	20	No Loss		C
	Sodium hydroxide	0.5	60	No Loss		C
	Sodium stearate	48	60	No Loss		C
	Sulphuric acid	16	100	No Loss		C
Overall result						C

6 Resistance to Staining and Burning

BS 3402: 1969 Cl. 9

ID	Variable	Unit	Measured	Required	Remark	
1	Methylene blue	---	No Stain	No stain remains	C	
	Sodium hypochlorite	---	No Stain		C	
	Hydrogen peroxide	---	No Stain		C	
	Amyl acetate	---	No Stain		C	
	Iodine in ethanol	---	No Stain		C	
2	Lighted cigarette	---	No Stain		C	
Overall result						C



S-4507

Test Report

TITLE : Testing of Wash Basin
REPORT NO : J 26110
DESCRIPTION OF SAMPLE¹ : “Kitty” Vitreous china wall hung washbasin
SAMPLE SUBMITTED BY¹ : Acme Sanitary Ware Co., Ltd.
1/F, Acme Building,
22-28 Nanking Street
Yau Ma Tei, Kowloon
Hong Kong
BODY MARKINGS : /
BRAND¹ : Star (Thailand)
MODEL¹ : S-4507
MANUFACTURER¹ : Star Sanitarywares (Thailand) Co., Ltd.
COUNTRY OF ORIGIN¹ : Thailand
METHOD OF TESTS : BS EN 14688: 2006 & BFA 2008
PERIOD OF TESTS : 17 Mar., 2021

¹ – Information provided by client

RESULTS: (apply only to the sample tested)

SUMMARY OF RESULTS

Test	Remark
I Load resistance	C



REPORT NO.: J 26110

I. LOAD RESISTANCE
BS EN 14688: 2006 Cl. 5.2

Variable	Unit	Sample	Requirement	Remark
Test load	kN	1.50	1.50 ± 0.01	C
Duration	h	1	1	C
Crack / Broken / Permanent distortion	/	No	No	C
Overall result				C

Remark :

The sample also complies with BFA 2008 Cl. 53

Date: 01 Apr., 2021 Authorized signature:

Lam Kwai Wah, Terry
(Operations Manager)

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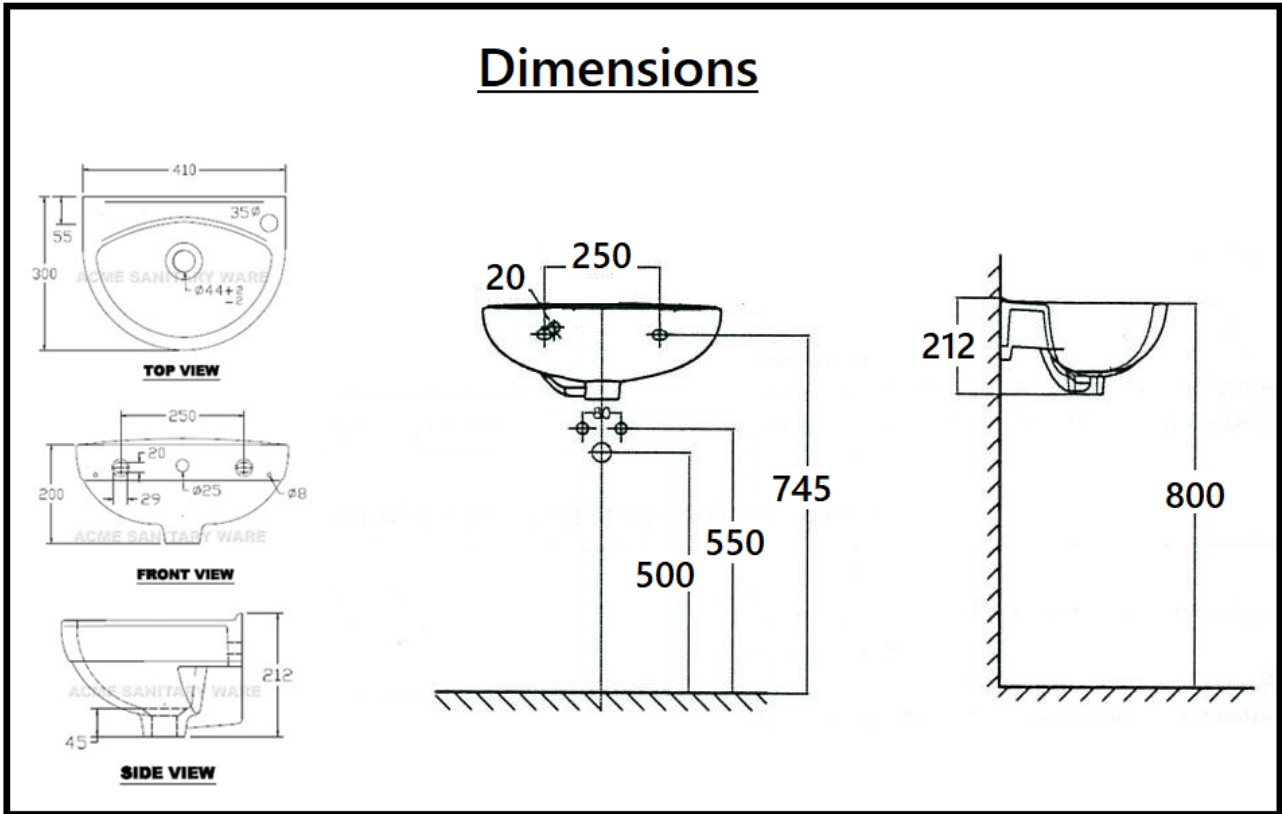
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