



PROJECT		REF		REV	ITEM CODE	
LOCATION		DATE			PAGE	

SANITARY WARE SPECIFICATION SHEET

<p>Item Descriptions</p> <p>Dimensions</p> <p>Model</p> <p>Material / Colour</p> <p>Manufacturer</p> <p>Source</p> <p>Contact Tel/Fax</p> <p>E-mail</p> <p>Website</p>	<p>American Standard (Thailand) "New Washbrook" Wall hung back spud urinal ; 2.4 LPF in WELS Grade 2; Registration No. 1U 21-0023</p> <p>L475 x W370 x H686 mm</p> <p>TF6502BD</p> <p>Vitreous China / White Color</p> <p>American Standard (Thailand)</p> <p>Acme Sanitary Ware Co. Ltd Mr. Eric Wong/ Mr. Don Yuen</p> <p>(852) 2388-7171 / (852) 2710-8012 acme@acmesanitary.com.hk www.acmesanitary.com.hk</p>	<p>Illustration/ Drawing</p> <div style="text-align: right;"> </div>
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<p>Note: Urinal ceramic sieve:</p>	<p>model: VP-1818</p>
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* All information of the above is for the reference only. No prior notice is made if any changes.

註冊號碼 (Registration No.): 1U 21-0023



自願參與用水效益標籤計劃 - 小便器用具
Voluntary Water Efficiency Labelling Scheme - Urinal Equipment



冊證書


茲證明

This is to certify that

(6502BD-WT-0 = TF6502BD)

將下列小便器用具在本計劃內註冊：
has registered the following urinal equipment under this scheme:

牌子 / Brand	:	American Standard
型號 / Model	:	6502BD-WT-0
種類 / Category	:	1
原產地 / Country or Region Origin	:	Thailand

在用水效益標籤上展示的標誌 <i>Symbolic Presentation on the Water Efficiency Label</i>	:		滴水點 <i>Water droplet(s)</i>
用水效益級別 <i>Water Efficiency Grade</i>	:	2	
沖水量 <i>Water Flush Volume</i>	:	2.4	公升/循環 <i>litres/cycle</i>

簽發日期: 27 August 2021
Date of Issue:

 水務署
Water Supplies Department



水務署署長(張業駒代行)
for Director of Water Supplies

上述小便器用具具有智能功能，並且能達至額外節省用水。
The above urinal equipment is operated with a smart demand operation to achieve additional water saving.



JTEK

Test Report

Test

Title : Testing of Vitreous china bowl urinals (rimless type)

Method : BS 5520: 1977

Report No. : J 27034A

Completion : 17 Sep., 2021



Applicant (Information below provided by client)

Name :

Address :

(6502BD-WT-0 = TF6502BD)

Sample (Information below provided by client)

Brand : AMERICAN STANDARD

Model : 6502-WT-0 & 6502-WT (Top Inlet), 6502BD-WT-0 & 6502BD-WT (Back Inlet)

Body marking : *American Standard*

Manufacturer : LIXIL (Thailand) Public Company Limited

Origin : Thailand

Description : wall hung urinal (Top & Back Inlet)

Approved Signatory

Signature : 

Name (title) : Tin Sin Yee, Cindy (Engineer)

Date : 31 Dec., 2021

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

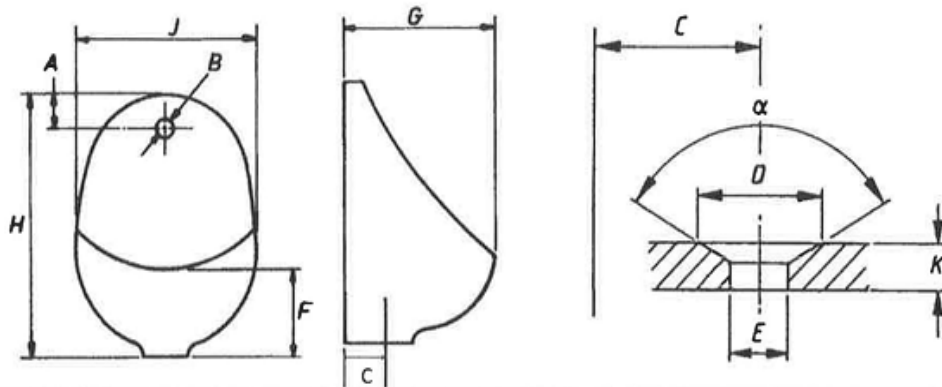


Test	Remark
Dimensions	As shown in section 1

Results (apply only to samples tested)

1 Dimensions

BS 5520: 1977



Variable	Denote	Unit	Measured
Dimensions from top of bowl to centre of water supply hole or spreader	A	mm	0.0
Diameter of water supply hole (when provided)	B		Not applicable
Centre of waste outlet from back of bowl	C		120.0
Dimension of outlet of the waste flange	D		73.0
Diameter of waste outlet	E		40.0
Distance from underside of waste outlet to lowest point of rim	F		220.0
Overall projection of bowl from back surface	G		380.0
Distance from underside of waste outlet to top of bowl	H		686.0
Width of bowl at widest point	J		476.0
Depth of waste outlet	K		70.0



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REPORT NO.: J 27034A



Figure 2 - Body Marking





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REPORT NO.: J 27034A

General Note(s)

Definitions:

- C - conformance
- N - no requirement
- NC - non-conformance
- R - remainder

Organizations:

- WSD - Water Supplies Department (of Hong Kong)
- WHO - World Health Organization

- End of report -



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Test Report

Test

Title : Testing of wall hung Urinal bowl

Method : BS EN 13407: 2015

Report No. : J 27034B

Completion : 23 Nov., 2021 to 18 Jan., 2022



Applicant (Information below provided by client)

Name :

Address :

(6502BD-WT-0 = TF6502BD)

Sample (Information below provided by client)

Brand : American Standard

Model : 6502-WT & 6502BD-WT & 6502-WT-0 & 6502BD-WT-0

Body marking : *American Standard*

Manufacturer : LIXIL (Thailand) Public Co. Ltd

Origin : Thailand

Description : Wall Hung Urinal (Top & Back Inlet)

Approved Signatory

Signature :

Name (title) : Hing Kah Kuin (Engineer)

Date : 08 Feb., 2022

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



Summary

Test	Remark
1 Flushing volume and flow rate	C
2 Depth of water seal	C
3 Wash of bowl	C
4 Oversplashing	C
5 Discharge	C
6 Water Absorption	C

Results (apply only to samples tested)

1 Flushing volume and flow rate

BS EN 13407: 2015 Cl. 4.2

Type	Variable	Unit	Measured	Required	Remark
II	Flushing volume	l	2.40	$> 0.5, \leq 5.0$	C
	Flow rate	l/s	0.3	$0.2 + 0.2 / - 0.1$	C
Overall result					C

2 Depth of water seal

BS EN 13407: 2015 Cl. 6.1

ID	Variable	Unit	Measured	Required	Remark
1	Depth of water seal	mm	55.0	≥ 50	C
Overall result					C

3 Wash of bowl

BS EN 13407: 2015 Cl. 6.2.1

ID	Variable	Unit	Measured	Required	Remark
1	1st flushing operation	mm ²	0.0	---	---
	2nd flushing operation		0.0	---	---
	3rd flushing operation		0.0	---	---
	4th flushing operation		0.0	---	---
	5th flushing operation		0.0	---	---
	Average		0.0	≤ 80	C
Overall result					C



4 Oversplashing

BS EN 13407: 2015 Cl. 6.2.3

ID	Variable	Unit	Measured	Required	Remark
1	Splash beyond the edge of bowl and wet the floor	---	No	No	C
Overall result					C

5 Discharge

BS EN 13407: 2015 Cl. 6.2.4

ID	Variable	Unit	Measured	Required	Remark
1	Run over the rim of the bowl.	---	No	No	C
Overall result					C

6 Water Absorption

BS EN 13407: 2015 Cl. 6.3

ID	Weight (kg)		Absorption (%)	Required	Remark
	Before Test	After Test			
Sample 1	17.8	17.9	0.52	1.00% max.	C
Sample 2	14.2	14.3	0.62		C
Sample 3	14.8	14.9	0.54		C
Average			0.56	0.75% max.	C
Overall result					C



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REPORT NO.: J 27034B

- Sample



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- WSD - Water Supplies Department (of Hong Kong)
- WHO - World Health Organization

- End of report -



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Test Report

Test

Title : Testing of Urinal

Method : BS 3402: 1969

Report No. : J 27034C

Completion : 24 Nov., 2021 to 13 Dec., 2021



Applicant (Information provided by client)

Name :

Address :

(6502BD-WT-0 = TF6502BD)

Sample (Information provided by client)

Description : wall hung urinal(Top & Back Inlet)

Brand : AMERICAN STANDARD

Model : 6502-WT-0 & 6502-WT (Top Inlet), 6502BD-WT-0 & 6502BD-WT (Back Inlet)

Body Marking :

*American
Standard*

Manufacturer : LIXIL (Thailand) Public Company Limited

Origin : Thailand

Approved Signatory

Signature : 

Name (title) : Tin Sin Yee, Cindy (Engineer)

Date : 31 Dec., 2021

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



Test	Remark
1 Visual Examination	C
2 Water Absorption	C
3 Crazeing	C
4 Chemical Resistance Test	C
5 Resistance to Staining and Burning	C

Results (apply only to samples tested)

1 Visual Examination

BS 3402: 1969 Cl. 5.1, 5.4 & Table 2

Location	Blemish or defect	Maximum permitted	Remark
General	Wavy finish	None on all visible surfaces	C
	Warpage	Not more than 6mm	C
	Discoloration	None on all visible surfaces	C
Flushing surface and horizontal face of rims of WC pans bidets and urinals	Spots, blister and pinholes	A total of not over three; no grouping; for coloured appliances, blister and pinhole limited to one.	C
	Bubbles and specks	Not over two in one pottery square; a total of not over four	C
	Polishing marks	One only; none permitted for coloured figures	C
Visible surfaces other than above	Spots, blisters and pinholes	A total of not over five; no grouping; for coloured appliances, no blisters are permitted and pinholes are limited to a total of two	C
	Bubbles and specks	Not over three in one pottery square; a total of not over ten	C
Overall result			C

2 Water Absorption

BS 3402: 1969 Cl. 6

ID	Weight (g)		Absorption (%)	Required	Remark
	Before Test				
Sample 1	150.3	151.0	0.51	0.75% max.	C
Sample 2	171.7	172.3	0.35		C
Sample 3	170.4	170.9	0.30		C
Average			0.38	0.50% max.	C
Overall result					C



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

4 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

5 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



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REPORT NO: J 27034C



Figure 2 - Body marking





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REPORT NO: J 27034C

General Note(s)

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