



Acme Sanitary Ware Co. Ltd.

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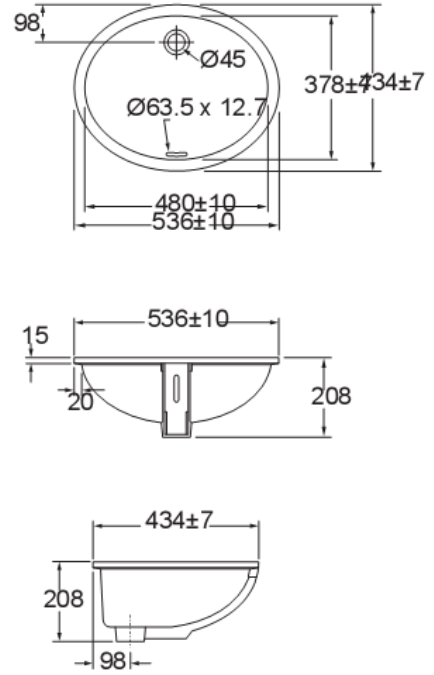
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American Standard

PROJECT		REF		REV	ITEM CODE	
LOCATION		DATE			PAGE	

SANITARY WARE SPECIFICATION SHEET

Item Descriptions	American Standard (Thailand) "Ovalyn" Vitreous china undercounter lavatory; complied with BS 3402:1969 & BS 1188:1974; test report QC 2023-002	Illustration/ Drawing
Dimensions	L536 x W434 x H208 mm	
Model	TF470LM	
Colour	White	
Material	Vitreous China	
Manufacturer	American Standard (Thailand)	
Source	Acme Sanitary Ware Co. Ltd Mr. Eric Wong/ Mr. Don Yuen	
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Note:

* All information of the above is for the reference only. No prior notice is made if any changes.



LIXIL (Thailand) Public Company Limited

Quality Control and Reliability Laboratory Department

Vitreous China Test Report

Test Title: Testing of Lavatory

Standard Ref: BS 3402:1969/BS 1188:1974

Report No: QC 2023-002

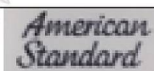
Test Date: 31-Mar-23

Model No: TF-470LM-WT

Description: Ovalyn Lavatory 21 x 17 inch UC

Brand: American Standard

Brand Marking:



Manufacture: Lixil (Thailand) Public Company Limited

Country origin: Thailand

Tested By: Wisarut W.

Approved By: Narongchai T.

Summary Report

No.	Items	Remark
1	Dimension	Coformance
2	Appearance(Visual Inspection)	Coformance
3	Water Absorption	Coformance
4	Crazing	Coformance
5	Chemical Resistance	Coformance
6	Resistance to staining and burning	Coformance
Overall Results		Coformance

Results (Apply only to samples test)

Report No

1.Dimensions

BS 1188:1974 Cl.3.4 & Cl.4

Check Items		Drawing design	Sample	BS 1188:1974 Cl.3.4 & Cl.4 requirement for ordinary	Remark
Length (Front to Back)		434 mm +/- 2%	435 mm	/	Passed
Width (Side to Side)		536 mm +/- 2%	540mm	/	Passed
Distance of centre of outlet from extreme back		98 mm +/- 3%	97 mm	/	Passed
Waste	Diameter of recess for waste flange	70 mm	70 mm	64min.	Passed
	Depth of recess	/	11 mm	10min.	Passed
	Diameter waste hole	45mm +/- 2	46 mm	44min.	Passed

2.Visual Inspection

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

Location	Blemish or defect	Cl 5.3 & table 3 Requirement Presence of defect	Remark
General	Wavy finish	None on all visible surfaces	Coformance
	Warpage	Warpage of slab out of horizontal plane not to exceed 6mm on all sizes(warpage of backs of wash basins which are attached to the wall not to exceed 3mm)	Coformance
	Discoloration	None on all visible surfaces	Coformance
Service space,top of slab,inside of bowl,front of fascia	Spots,blisters and pinholes	A total of not over two ;no grouping;for coloured appliances,no blisters are permitted and pinhole limited to one	Coformance
	Bubbles and specks	A total of not over four;no grouping	Coformance
	Polishing marks	One only;none permitted for coloured fixtures	Coformance
Face of internal back and sides	Spots,blisters and pinholes	Once only on back or on either side;a total of not over three	Coformance
	Bubbles and specks	A total of not over four;no grouping	Coformance

3.Water Absorption

BS 3402:1969 Cl.6

Water absorption(%) Requirement		Sample	Required	Remark
1	Greatest individual value(0.75Max)	0.22	≤ 0.75	Coformance
2	Arithmetic mean(0.50Max)	0.2	≤ 0.5	Coformance

4. Crazing

BS 3402:1969 Cl.7

Method	Sample	Reuired	Remark
Saturated steam pressure 0.33~0.35(MN/M ²)	0.35	0.35	Coformance
Duration 10(hr)	10	10	Coformance
No Crazing	Nil	Nil	Coformance

5. Chemical Resistance

BS 3402:1969 Cl.8

Chemical	Strength of solution(%)	Time(hr)	Temperature(°C)	Sample	Required	Remark
Acetic acid	10	16	100	Nil	Nil	Coformance
Citric acid	10	16	100	Nil		Coformance
Detergent	See note 1	48	60	Nil		Coformance
Hydrochloric acid	See note 2	48	20	Nil		Coformance
Sodium hydroxide	5	0.5	60	Nil		Coformance
Sodium stearate	0.15	48	60	Nil		Coformance
Sulphuric acid	3	16	100	Nil		Coformance

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".

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

6.Resistance to staining and burning

BS 3402:1969 Cl.9

Chemicals		Staining and burning		Remark
		Sample	Required	
Chemical treatment	Methylene blue	Nil	Nil	Coformance
	Sodium hypochlorite	Nil		Coformance
	Hydrogen peroxide	Nil		Coformance
	Amyl acetate	Nil		Coformance
	Iodine in ethanol	Nil		Coformance
Cigarette treatment		Nil		Coformance