



Following Standards
ASME A 112.19.2
ASME A 112.19.14
WEP India



APPROVED CERTIFICATION
BODY LICENSING
NO. WCD LAB 0005
SASO1477/1474/2016



AMERICAN CERAMIC TESTING LABORATORY

Near Anchor Sanitarywares Pvt. Ltd.
Tarnetar Road, Thangadh-363530. (Gujarat) INDIA.
e-mail : jayesh@aristonceramic.com
website : www.actl.co

TEST REPORT

TEST REPORT No.: ACTL/SUNRAY/21/015	REPORT ISSUE DATE: 24-02-2021	ULR:
NAME & ADDRESS OF THE CUSTOMER: SUNRAY CERA NAVAGAM ROAD NAVAGAM THANGADH -363530 GUJARAT (INDIA) 99 252 22 652	DOC.: Issue/Date: 01/01-10-2020	Rev. /Date: 00/01-10-2020
	FORM No. 21	
	DATE OF RECEIPT: 20-02-2021	
	DATE OF TEST: 21-02-2021	
	TEST METHOD / REF DOC.: PERFORMANCE TEST/SASO STANDARDS	
	TEMP. / HUMIDITY : 30° C	TIME: 11:20 A.M.
	DESCRIPTION OF MATERIAL: WASH BASIN + PEDESTAL SET	
	MODEL NAME : "REPOSE" WASH BASIN + PEDESTAL SET	
CONDITION OF ITEM ON RECEIPT: GOOD	BRAND NAME : "ANZ"	
Id. No. MODEL No. : 001		

TEST RESULTS

SASO 1025:1998

Sr. No.	CLAUSE #	TESTS	ANALYSIS	RESULTS
	5	REQUIREMENTS		PASS
1	5.1	Materials : The ceramic sanitary appliances shall be made of vitreous china.	COMPLIED	PASS
2	5.2	Application of glazing :		
	5.2.1	The glaze shall be thoroughly fused to the body	COMPLIED	PASS
	5.2.2	All exposed surfaces shall be glazed except as follows : a) surfaces coming into contact with walls or floors b) On wash basin set away from walls : those portions of the rear aprons for supporting the appliances in kilns, the backs or overflows, and the undersides of the outlet bosses. C) Surface not visible when the appliance is installed in the normal manner.	COMPLIED	PASS
	5.3	The glazed finish shall be homogeneous & free from crazing, projections or any other defects, only a reasonable number of blemishes or defects will be allowed so that it will not affect the external appearance of the glaze & not to exceed the maximum allowable limits of blemishes and defects shown in table 1,2,and 3.	COMPLIED	PASS
	5.4	Color distribution on the sanitary wares and must be homogeneous in all areas, but color of the edges and curves in usually less than it is in the other areas of the wares.	COMPLIED	PASS
	5.5	Thickness : The thickness at any point of the appliance shall not be less than 6 mm	10mm	PASS
	5.6	Appearance :		





Following Standards
ASME A 112.19.2
ASME A 112.19.14
WEP India



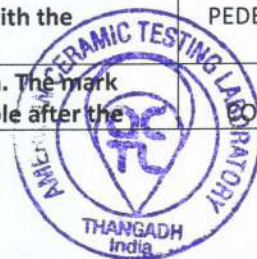
APPROVED CERTIFICATION
BODY LICENSING
NO. WCD LAB 0005
SASO1473/1474/2016



AMERICAN CERAMIC TESTING LABORATORY

Near Anchor Sanitarywares Pvt. Ltd.
Tarnetar Road, Thangadh-363530. (Gujarat) INDIA.
e-mail : jayesh@aristonceramic.com
website : www.actl.co

3	5.6.1	Water closet pans, bidets, bowl urinals and pedestals shall not show, to the unaided eye of a trained observer, blemishes or defects in excess of those shown in Table 1.	NOT APPLICABLE	N.A.
	5.6.2	The outer surfaces of a water tank and its cover shall not show, to the unaided eye of a trained observer, blemishes or defects in excess of those shown in Table 2	NOT APPLICABLE	N.A.
	5.6.3	The surfaces of wash basins and drinking fountains shall not show, to the unaided eye of a trained observer, blemishes or defects in excess of those shown in Table 3.	COMPLIED	PASS
	5.6.4	The surfaces of eastern type closets, shelves, soap holders, paper holders, as well as other appliances and accessories not specifically mentioned in 5.6.1, 5.6.2, or 5.6.3 shall not show, to the unaided eye of a trained observer, blemishes or defects in excess of those shown in Table 1.	NOT APPLICABLE	N.A.
	5.7	Water Absorption: None of the individual values of water absorption shall exceed 0.75% and the arithmetical mean of the values shall not exceed 0.5%. 3 pcs of 10000 mm ² / Boiling method	0.15%	PASS
	5.8	Crazing : None of the test pieces shall show crazing, when tested according to the Gulf standard mentioned in 2.1. 3 pcs of 25000 mm ² Test Pressure: 330-3500 kN/m ² Duration: 60 mins ramp-up, 10 hours test	Colored solution: Ink Time to remove pressure: 1 hour	PASS
4	5.9	Chemical resistance: None of the test pieces shall appear, to the unaided eye of a trained observer, to have suffered any loss of reflectivity on the glaze surface when compared with a control sample, when tested according to the Gulf standard mentioned in 2.1. 8 glazed pcs of 75 x 25 x 6 mm (1 control test pc.)	COMPLIED	PASS
5	5.10	Resistance to Staining and Burning: No stain shall remain on either of the test pieces, when tested according to the Gulf standard mentioned in 2.1. 2 glazed pcs of 75 x 25 x 6 mm (1 control test pc.)	COMPLIED	PASS
6	5.11	Abrasion resistance: When the coating surface is tested by No. 6 Feldspar powder, no defects should appear, when tested according to the Gulf standard mentioned in 2.1	COMPLIED	PASS
7	6.0	TOLERANCES :		N.A.
	6.1	± 5% for dimensions less than 75 mm.	Super-seeded by SASO 1473	N.A.
	6.2	± 2% for dimensions not less than 75 mm.	Super-seeded by SASO 1473	N.A.
	6.3	± 5 mm for the height of the flush outlet of P-traps.	NOT APPLICABLE	N.A.
8		MARKING & Product Package: Every appliance or every appliance component shall be marked in a legible, readily identifiable, and permanent way with the following:	"ANZ" BRAND REPOSE W.B. PEDESTAL SET	PASS
	7.1	Manufacturer's name or his registered mark or both. The mark shall be located so as to be visible as much as possible after the	COMPLIED	PASS





Following Standards
ASME A 112.19.2
ASME A 112.19.14
WEP India



APPROVED CERTIFICATION
BODY LICENSING
NO. WCD LAB 0005
SASO1473/1474/2016



AMERICAN CERAMIC TESTING LABORATORY

Near Anchor Sanitarywares Pvt. Ltd.
Tarnetar Road, Thangadh-363530. (Gujarat) INDIA.
e-mail : jayesh@aristonceramic.com
website : www.actl.co

		appliance is installed. In case of difficulty in finding an appropriate visible location, the marking shall be located elsewhere.		
7.2		Classification: All second-grade appliances shall be indelibly marked by the maker with two parallel lines cut on the surface of the appliance at the locations shown in Figure 1. These cuts shall be filled with a bright red permanent marking, which is resistant to the action of hot water. All packages containing second-grade appliances shall be clearly identified with two red marks adjacent to appliance identification.	First grade	N.A.
7.3		The number of this Gulf standard.	COMPLIED	PASS
7.4		The country of origin.	INDIA	PASS

BS EN 31:2011+A1:2014 EN 31:2011+A1:2014 (E)

Table -1 Connecting dimensions of wash basins with one central tap hole (see Figure 1)

SR. NO.	DESIGNATION	SYMBOL	REQUIREMENT DIMENSIONS mm	OBSERVED VALUE	REMARKS
1	Diameter of the central tap hole (intended to accommodate a mixer tap)	d_2^*	$35 \pm 2_1$	36	Pass
2	Horizontal distance between the center line of the central tap hole and the edge of the bowl	g_1	≤ 80	58	Pass
3	Distance from the center line of the central tap hole to the back wall	g_3	≥ 55	60	Pass
4	Radius of a cylinder having the same center line as the tap hole of a depth 0mm to 5mm from the lower plane of the tap hole	r_1	≥ 25	39	Pass
5	Radius of a cylinder having the same center line as the tap hole of a depth min5mm from the lower plane of the central tap hole	r_2	≥ 30	40	Pass
6	Radius of a flat plane circular surface on the tap platform having the same center as the central tap hole and intended to accommodate the tap	r_3	≥ 32	34	Pass
7	Thickness of the platform at the level of the zone concentric to the central tap hole	s	≤ 18	10	Pass
8	Horizontal distance between the center line of the central tap hole & the center line of the waste outlet hole	t^b	≤ 170	135	Pass

A The diameter $30 \pm 2_0$ is permissible with $r_1 \geq 22$ and $r_2 \geq 25$.

B May not be applicable for wash basins of class CL 00 in accordance with EN 14688. Dimensions in mm





Following Standards
ASME A 112.19.2
ASME A 112.19.14
WEP India



APPROVED CERTIFICATION
BODY LICENSING
NO. WCD LAB 0005
SASO1473/1474/2016



AMERICAN CERAMIC TESTING LABORATORY

Near Anchor Sanitarywares Pvt. Ltd.
Tarnetar Road, Thangadh-363530. (Gujarat) INDIA.
e-mail : jayesh@aristonceramic.com
website : www.actl.co

BS EN 31:2011+A1:2014 EN 31:2011+A1:2014 (E)

Table -4 Connecting dimensions of the waste outlet hole with integral overflow (see Figure 4)

SR. NO.	DESIGNATION	SYMBOL	REQUIREMENT DIMENSIONS mm	OBSERVED VALUE	REMARKS
1	Bore of the waste outlet hole	d_3	$46 \pm ^2_3$	45	Pass
2	Diameter of the base for the seal between the waste outlet hole and the waste fitting	d_4	≥ 60	72	Pass
3	Reference diameter to measure the height of the waste outlet hole (h1)	d_5	63	63	Pass
4	Height of the waste outlet hole measured between the reference diameter d_5 and the base for the seal	h_1	$45 - ^0_5$	45	Pass
5	Height measured between the reference diameter d_5 and the bottom of the bowl	h_2	≥ 2	2	Pass
6	Vertical distance between the tap platform and the base for the seal	p	≤ 250	190	Pass
7	Cone angle of the upper section of the waste outlet hole	a	$\leq 100^\circ$	100°	Pass





Following Standards
ASME A 112.19.2
ASME A 112.19.14
WEP India



APPROVED CERTIFICATION
BODY LICENSING
NO. WCD LAB 0005
SASO1473/1474/2016



AMERICAN CERAMIC TESTING LABORATORY

Near Anchor Sanitarywares Pvt. Ltd.
Tarnetar Road, Thangadh-363530. (Gujarat) INDIA.
e-mail : jayesh@aristonceramic.com
website : www.actl.co

BS EN 14688 – 2015/2018

SANITARY APPLIANCES – WASH BASIN

Sr No.	CLAUSE #	TESTS	OBSERVED	REMARKS
	3.1.3	PEDESTAL WASH BASIN		
1	4.1	Load Resistance : When tested in accordance with 5.2 wall hung wash basin shall not crack , be broken or show any permanent distortion. (for one hour at 1.5 ± 0.01)Kn	NO DEFECTS FOUND	Pass
2	4.2	Draining of water : When tested in accordance with 5.3, all water shall drain, Pour not less than 1ltr water evenly around the upper inside edge of the bowl(s). Visually examine the water has drained to the waste outlet hole(s). Water remaining due to surface tension is permitted.	ALL THE WATER DRAINED	Pass
3	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.	NO DEFECTS FOUND	Pass
4	4.4	Resistance to chemicals & staining agents : When tested in accordance with 5.5.Wash basin shall not show any permanent surface deterioration, such as stains or deterioration not removable with water or abrasive agent.	NO STAINS FOUND	Pass
5	4.5	Surface stability : : When tested in accordance with 5.6, any scratch shall not exceed 0.1mm and/or total depth of the top layer whichever is least. When tested in accordance with 5.7,the top layer of the test specimen shall not be abraded through.	NO SCRATCHES WERE FOUND	Pass
6	4.6	Cleanability :: When tested in accordance with 5.8, wash basins shall have smooth & readily cleansed non – absorbent functional surface which are free from acute internal corners which would be difficult to clean, i.e. surfaces intended to or likely to come in contact with water.	VISUALLY EXAMINED	Pass
7	4.7	Protection against overflowing :		
8	4.7.1	Wash basin with overflow : When tested in accordance with 5.9, the flow rate of the single overflow shall not be less then the values given in Table 1 (CLASS 10)	(CLASS 10)	Pass
9	4.7.2	Wash basin without overflow		N.A.
10	4.8	Durability : Products conforming with requirements of 4.1 to 4.7 are deemed to be durable.	CONFORMING WITH 4.1 TO 4.7	Pass
11	7	Marking & Product Designation : Wash basins always belong to one type of class & type at least, for which W.B. to be tested as per 8.2.2.	ASSESED AS PER CLAUSES 5.2 TO 5.9	Pass
12		Water Absorption: None of the individual values of water absorption shall exceed 0.75% and the arithmetical mean of the values shall not exceed 0.5%. 3 pcs of 10000 mm ² Boiling method	0.15%	PASS





Following Standards
 ASME A 112.19.2
 ASME A 112.19.14
 WEP India



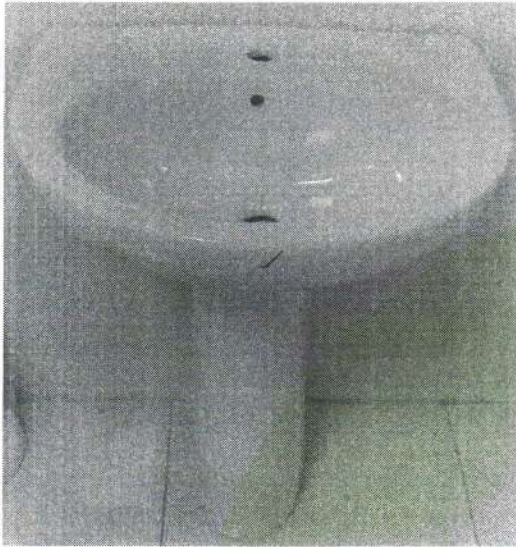
APPROVED CERTIFICATION
 BODY LICENSING
 NO. WCD LAB 0005
 SASO1473/1474/2016



AMERICAN CERAMIC TESTING LABORATORY

Near Anchor Sanitarywares Pvt. Ltd.
 Tarnetar Road, Thangadh-363530. (Gujarat) INDIA.
 e-mail : jayesh@aristonceramic.com
 website : www.actl.co

WASH BASIN + PEDESTAL WITH ONE CENTRAL TAP HOLE & PACKING (PHOTOGRAPHS)



NOTES

- 1) The sample was not drawn by Laboratory
- 2) The reported results are valid at the time of performance of tests under specified environmental conditions only
- 3) The test report shall not be reproduced except in full without written approval of laboratory

The results relate to tested sample only

Tested by

JAYESH TRIVEDI / Quality Manager/Testing Engineer

Reviewed & Authorized by

N.G. PITHADIA / Technical Manager

-END OF REPORT-

