



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

REPORT No. : ACTL/SUNRAY /02221022021

Report Issue date : 24-02-2021

Sr. No.	TEST CONDUCTED	Test Requirement as per IS 2556 (Part 1) : 1994 AND NIS 427 - 2000	RESULTS	REMARKS
1	Modulus of Rupture (MOR) kg/cm ²	Average Modulus of Rupture (MOR) should not be less than 612kg/cm ² (60 Mpa)	Unglazed fired bars of sanitarywares body having minimum cross sectional area 150 mm ² and 150 mm length were subjected to MOR test.	Passed
			1020.00 kg/cm ²	
			895.00 kg/cm ²	
			1120.30 kg/cm ²	
			1010.20 kg/cm ²	
			1230.40 kg/cm ²	
		Average	1055.18 kg/cm ²	

APPROVED BY :

VALIDITY OF THE REPORT IS FOR ONE YEAR FROM ISSUE DATE

TESTED BY:

Jayesh

N.G. PITHADIA (TECHNICAL MANAGER)



Jay J. Sompura

JAY SOMPURA (LAB ASSISTANT)



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2	Determine Water absorption(%) Procedure :	Test Requirement as per SASO 1024 : 1998	Five test pieces each having a surface area of approx . 100cm ² and at least one major surface being glazed surface & surface other than major surface being freshly broken unglazed surface and all the specimen free from cracks in body or glaze were tested for water absorption as per IS 2556 (Part 1) : 1994	Passed
			0.21	
			0.13	
			0.11	
	AVERAGE :	0.15%	Passed	
3	Crazing Resistance	None of the test pieces should show any sign of crazing on glazed surface when subjected to autoclaving at a saturated steam pressure between 0.34 to 0.37 MPa for two cycle of 5hour duration each	Five test pieces, each having surface area of about 250 cm ² having one major glazed surface when subjects to autoclaving. Did not show any sign of crazing on the glazed surface.	Passed
4	Abrasion Resistance	a) Glaze surface was tested with no.6 feldspar powder b) Glazed surface was tested with no.7 quartz powder	No. scratches observed when inspected under magnifying lens of 8 x	Passed

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5	Resistance to staining & Burning test	<p>NO visible stain should be on the cleaned glazed surface when the samples were treated with the following chemicals and dried after application visible stain should be on the cleaned glazed surface when the samples were treated with the following chemicals and dried after application 0.5 %</p> <ul style="list-style-type: none"> a) 0.5 % Methylene blue solution b) Sodium hypochlorite 10 % solution c) Hydrogen peroxide 3% solution d) Amyl acetate (LR) solution e) Carbon Tetrachloride (LR) solution f) Iodine solution 1.3 % (m/w) in ethanol g) No visible stain should be observed on the cleaned glazed surface when tested with lighted cigarette for 15 minute 	<p>Chemical were applied on approx. 10mm dia glazed area, dried and cleaned with moist clean cloth.</p> <p>No visible stain observed on the cleaned glazed surface</p> <p>No visible stain observed when the stained area of lighted cigarette is cleaned with moist cloth</p>	Passed
6	THICKNESS		10mm	Passed

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