



国家陶瓷及水暖卫浴中心

G14-WT4106E



# 检 验 报 告

## Test Report

国家陶瓷及水暖卫浴产品质量监督检验中心  
National Center of Supervision and Inspection for Ceramic  
Sanitary and Plumbing Fixture





No.: G14-WT4106E

# National Center of Supervision and Inspection for Ceramic Sanitary and Plumbing Fixture Test Report

Form No.: QR-049-01A

Page 1 of 2

Product Name, Model and Dimension Trademark/Grade	Polished Tile 600mm×600mm FOSHAN ASTRAL CERAMIC /—	Date of Production	—
		Batch No.	—
		Voucher No.	—
Entrusting Department	FOSHAN ASTRAL CERAMIC CO., LTD	Test Classification	Entrusted Test
Entrusting Department Address	ZIDONG, SEGMENT, NANZHUANG TOWN, CHANCHENG GUANGDONG	Sample Quantity	30 PCS
Manufacturer (Supplied by the applicant)	—	Receival Date	2022-05-06
Manufacturer Address (Supplied by the applicant)	—	Sample Receiver	Zhong Weimin
Sample's State and Characteristic	The package is normal		
Test Basis	GB/T4100-2006 (Annex G) Ceramic Tiles Annex G Dry-pressed ceramic tiles with Low water absorption $E \leq 0.5\%$ Group BIa—porcelain tiles; GB 6566-2010 Limit of radionuclides in building materials		
Test Result	<p>The test results comply with the requirement of the standard GB/T 4100-2006 Annex G and the type A requirement for the decorative materials of the standard GB 6566-2010, the test is passed.</p> <p style="text-align: center;"></p> <p>NOTE: Any duplicated copy will be invalid without a red stamp specially for inspection restamped.</p>		
Remarks	The test report is only responsible for the sample.		

Approved by: 王卓混

Checked by: 吴怡

Tested by: 吴怡



National Center of Supervision and Inspection for Ceramic  
 Sanitary and Plumbing Fixture  
**Test Report**

No.: G14-WT4106E

Form No.: QR-049-02

Page 2 of 2

No.	Test Items	Unit	Technical Requirements		Test Results	Verdict	
1	Size and difference	mm	Length	The deviation, of the average size for each tile from the work size	600±1.0	600.1~600.3	Pass
		%		The deviation, of the average size for each tile from the average size of the 10 test specimens	±0.4	-0.02~+0.01	
		mm	Thickness			8.4~8.8	
2	Straightness of sides	%	±0.2		-0.07~+0.09	Pass	
3	Rectangularity	%	±0.2		-0.07~+0.03	Pass	
4	Surface flatness	%	Center curvature	±0.2	+0.02~+0.06	Pass	
			Warpage	±0.2	-0.02~+0.05		
			Edge curvature	±0.2	-0.07~+0.06		
5	Surface quality	—	A minimum of 95% of the tiles shall be free from visible defects that would impair the appearance of a major area of tiles.		Conformed	Pass	
6	Water absorption	%	Average maximum 0.5 Individual maximum 0.6		0.07 0.06~0.07	Pass	
7	Breaking strength	N	When the thickness ≥ 7.5mm, the mean value shall not be less than 1300		2113	Pass	
8	Modulus of rupture	MPa	Average minimum 35 Individual minimum 32		43 41~45	Pass	
9	Resistance to deep abrasion :Removed Volume	mm <sup>3</sup>	Maximum 175		109	Pass	
10	Specular gloss	—	Minimum 55		86~89	Pass	
11	Frost resistance	—	No crack or peeling after the frost test		Conformed	Pass	
12	Resistance to household chemicals and swimming pool salts	—	Minimum UB		Class UA	Pass	
13	Internal exposure index I <sub>Ra</sub> (Decorative materials)	—	Type A: I <sub>Ra</sub> ≤ 1.0		0.6	Type A	
			Type B: I <sub>Ra</sub> ≤ 1.3				
	External exposure index I <sub>r</sub> (Decorative materials)	—	Type A: I <sub>r</sub> ≤ 1.3		0.9		
Type B: I <sub>r</sub> ≤ 1.9							
			Type C: I <sub>r</sub> ≤ 2.8				



Checked by :

Tested by :