



佛山市质计中心

..: G08-XJ0840E



检 验 报 告

Test Report

LUMINA

广东省技术监督陶瓷产品质量监督检验站
Guangdong Technical Supervision Station for Ceramics
Quality Supervision and Inspection





No.: G08-XJ0840E

Guangdong Technical Supervision Station for Ceramics Quality

Supervision & Inspection
Inspection Report

Form No.: QR-049-01A

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Product Name, Model and Dimension Trademark/Grade	Polished Nano Tiles CR6008 600mm×600mm	Date of Production	—
		Batch No.	—
		Voucher No.	—
Entrusting Department		Test Classification	Type test
Entrusting Department Address		Sample Quantity	2 CTNS
Manufacturer (Supplied by the applicant)		Receival Date	2008-10-10
Manufacturer Address (Supplied by the applicant)		Sample Receiver	Pan Yi
Sample's State and Characteristic	The package is normal.		
Test Basis	GB/T 4100-2006 Ceramic Tiles Annex G Dry-pressed ceramic tiles with Low water absorption $E \leq 0.5\%$ Group BIa—porcelain tiles		
Test Result	<p>Total 21 items, and the tested items comply with the requirement of the standard GB/T 4100-2006 Annex G, and the test is passed.</p> <p>NOTE: Any duplicated copy will be invalid without a red stamp specially for inspection restamped.</p>		
Remarks	Test environmental temperature: Room temperature.		

Approved by: 梁以宏

Checked by: 吴静

Tested by: 吴静



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Form No.: QR-049-02

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No.	Test Items	Unit	Technical Requirements		Test Results	Decision
1	Size and difference	mm	Length	600±1.0	600.0~600.4	Pass
2	Straightness of sides	%	±0.2		-0.04~+0.05	Pass
3	Rectangularity	%	±0.2		-0.04~+0.03	Pass
4	Surface flatness	%	Center curvature	±0.2	-0.02~+0.04	Pass
			Warpage	±0.2	-0.04~+0.03	
			Edge curvature	±0.2	-0.04~+0.04	
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		0.10 0.06~0.14	Pass
7	Breaking strength	N	When the thickness ≥ 7.5mm, the mean value shall not be less than 1300		2042.0	Pass
8	Modulus of rupture	MPa	Average minimum 35 Individual minimum 32		42.9 41.7~44.8	Pass
9	Resistance to deep abrasion :Removed Volume	mm ³	Maximum 175		102	Pass
10	Specular gloss	—	Minimum 55		84~86	Pass
11	Frost resistance	—	No crack or peeling after the frost test		Conformed	Pass
12	Resistance to household chemicals	—	Minimum UB		Class UA	Pass
13	Resistance to swimming pool salts	—	Minimum UB		Class UA	Pass

Checked by: 吴少华

Tested by: 余国英



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No.	Test Items	Unit	Technical Requirements	Test Results	Decision
14	Resistance to thermal shock	—	Report the test results after the test	No crack	—
15	Resistance to acid	—	Report the class after being dipped in 3% HCl for 12 days	Class ULA	—
16	Resistance to alkali	—	Report the class after being dipped in 30g/L KOH for 12 days	Class ULA	—
17	Resistance to staining	—	Report the class of resistance to staining	Class 4	—
18	Coefficient of linear thermal expansion	K ⁻¹	Report the coefficient of linear thermal expansion	7.0×10 ⁻⁶	—
19	Impact resistance	—	Report the average resiliency coefficient	0.81	—
20	Static coefficient of friction	—	Report the value after the test	Dry 0.70	—
21	Mohs' hardness	—	Report the test result after test	7	—

Checked by: 吴松

Tested by: 吴松