



TEST REPORT

No. (2023)GJC-X0237Y

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Applicant			
Name:	Fujian Nanan Baoda Material Co.,Ltd.		
Address:	Qianwu Industrial Park, Guanqiao Town, Nanan City, Fujian Province, China		
Phone /Fax:	15279882839		
Sample			
Name:	Glazed Ceramic Tile		
Type/Model:	1200mm × 600mm × 20mm		
Trademark:	/		
Manufacturer:	/		
Amount:	14 pcs		
Date Received:	2023-05-31		
State Received:	Normal		
Test Date	2023-06-10 ~ 2023-06-21	Test Location	Laboratory in Yangnan Street
Test Specification	GB/T 4100-2015 Ceramic tiles Annex G GB 6566-2010 Limits of radionuclides in building materials		
Test Results	Please see attached sheets.		
Conclusion	The test items of the submitted sample (except items 4,10,11) complied with the standards mentioned above.		
Note	The following information was supplied by applicant: 1. Manufacturer: Fujian Nanan Baoda Material Co.,Ltd.; 2. The sample is glazed tiles used on floors; 3. Work size: 1200mm×600mm×20mm; 4. Radioactivity level is A.		

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Approved by: 张朝辉
(signature)Checked by: 巫红军
(signature)Compiled by: 陈霖
(signature)

National Quality Supervision and Testing Center for Building and Decoration Products(Fujian)

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Test results of Glazed Ceramic Tile

No.	Test Items		Unit	Technical Requirements	Sample Number (n)	Test Results	Decision principle		Defectives
							Ac	Re	
1	Length	The deviation of the average length size for each tile from the work size length.	/	$\pm 0.6\%$ Max. $\pm 2.0\text{mm}$	10	-0.02%~+0.01% -0.2mm~+0.1mm	0	2	0
	Width	The deviation of the average width size for each tile from the work size width.		$\pm 0.6\%$ Max. $\pm 2.0\text{mm}$		+0.03%~+0.1% +0.2mm~+0.4mm			
	Thickness	The deviation of the average thickness of each tile from the work size thickness.		$\pm 5\%$ Max. $\pm 0.5\text{mm}$		-0.4%~+0.7% -0.1mm~+0.1mm			
2	Surface quality		/	A minimum of 95% of the tiles are to be free from visible defects which can impair the appearance of a major area of tiles.	10	Conformed	0	2	0

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No.	Test Items	Unit	Technical Requirements	Sample Number (n)	Test Results	Decision principle		Defectives
						Ac	Re	
3	Breaking strength	N	Not less than 1300	7	Average: 11127	/	/	/
					Individual: 9919~12156	0	2	0
4	Modulus of rupture	MPa	Minimum 35 Individual minimum 32		Na	/	/	/
						/	/	/
5	Water absorption	%	$E_v \leq 0.5$ Individual maximum 0.6	5	0.14 0.09~0.16	/	/	/
6	Resistance to staining	/	Minimum class 3	5	Class 5	0	2	0
7	Tile friction coefficient (dry)	/	Individual minimum 0.50	3	0.69、0.71、0.70	0	1	0

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No.	Test Items		Unit	Technical Requirements		Sample Number (n)	Test Results	Decision principle		Defective
								Ac	Re	
8	Radio nuclides	Internal exposure index I_{Ra}	/	$I_{Ra} \leq 1.0$	2.0kg	0.4	/	/	/	
		External exposure index I_r	/	$I_r \leq 1.3$		0.8	/	/	/	
9	Resistance to chemicals: glazed tiles	Resistance to household chemicals	/	Minimum GB	5	GA	0	2	0	
		Resistance to swimming pool salts		Minimum GB		GA	0	2	0	
10	Resistance to chemicals: glazed tiles	Resistance to low concentrations of acids and alkalis	/	/	5	GLA	/	/	/	
		Resistance to high concentrations of acids and alkalis	/	/		GHA	/	/	/	
11	Resistance to surface abrasion of glazed tiles intended for use on floors		/	/	11	Abrasion Class:4 Cycles Passed:6000	/	/	/	

Note: There are no resistance to low or high concentrations of acids and alkalis and resistance to surface abrasion of glazed tiles intended for use on floors in the GB/4100-2015 Annex G. The test report provides the test results of the projects without decision.

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