







INSPECTION REPORT

No: 2101029002

PRODUCT

Glazed Polished Porcelain Tiles (60-120FMB)

NOMINAL SIZE

 $600 \text{mm} \times 1200 \text{mm} \times 10.5 \text{mm}$

TRADE MARK

MONALISA

CLIENT

Monalisa Group Co., Ltd

INSPECTION TYPE

Sampling

China Building Materials Test & Certification Group (Shaanxi) Co., Ltd.

National Quality Supervision Inspection Center of Building and Sanitary Ceramics CHINA

ATTENTION

- 1. This inspection report should be invalid without the special signet of the testing body.
- 2. Any copy of the report should be invalid except for signet on the testing body again.
- 3. This report should be invalid in case one of the three of Main-Inspector, auditor, approver was absent.
- 4. This report should be invalid if altered.
- 5. Any objection should be raised to the testing body in fifteen days after reception, it would be rejected if late.
- 6. The report is only responsible for the commissioned samples in commission inspection.

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Area, Shaanxi, China

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Product	Glazed Polished Porcelain Tiles	Nominal Size	600mm×1200mm×10.5mm			
	(60-120FMB)	Work Size	600mm×1200mm×10.5mm			
Client	Monalisa Group Co., Ltd	Client Address	Xiqiao Textile Industrial Zone, Nanhai			
			District, Foshan, Guangdong, China			
Manufacturer	Monalisa Group Co., Ltd	Manufacturer	Xiqiao Textile Industrial Zone, Nanhai			
		Address	District, Foshan, Guangdong, China			
Inspection Standard	ISO 13006:2018 GB 6566-2010	Determination	ISO 13006:2018 GB 6566-2010			
200	HJ/T 297-2006 Refer to JC/T 872-2000	Standard	HJ/T 297-2006 Refer to JC/T 872-2000			
Trade Mark	MONALISA	Inspection Type	etion Type Sampling			
Classification	ВІа	, , , , ,	Samping			
Sampler	Ma Zhuan E, Wang Chen	Sampling Date	2021.01.01			
Sampling Base	5000 boxes	Sampling Site	Storehouse of manufacturer			
Sample Quantities	11 boxes (22 pieces)	Inspection Item	See page 2			
Production Date / Batch	2020.10.08	Inspection Site	Site 1			
Receive Date	2021.01.12	Inspection Date	2021.01.14~2021.04.02			
Sample Description	Glazed and polished surface	Inspection Bute	2021.01.14 2021.04.02			
Inspection Conclusion	According to standard of Annex G of ISO 13006:2018 Ceramic tiles-Definitions, classification, characteristics and marking, inspecting 20 properties of the product. The result testifies that 20 properties of the product reaches the requirements of the standard. According to standard of GB 6566-2010 Limit of radionuclides in building materials test. The result testifies that the product reaches class A requirements of the standard. According to standard of HJ/T 297-2006 Specifications for environmental labeling products-ceramics tiles, inspecting content of resolvable Pb and content of resolvable Cd. The result testifies that 2 properties of the product reaches requirements of the standard. Refer to standard of JC/T 872-2000 Glass-ceramics for building decoration, inspecting the scratch hardness of surface according to mohs of 5.5.2. The test results on page 2.					
Notes	Site 1: China Building Material Certification Tower, Wangsi Street, Fengdong in Xixian New Area, Shaanxi, China. This product is not applicable to JC/T 872-2000 as it does not belong to Glass-ceramics for building decoration. The test data are for reference only.					
			W/s.			

Auditor:



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No.	Properties	Test	Requirements	Result	Determina
			1020/ 110	-0.01%~+0.02%	
1 Length	Length	ISO 10545-2:2018	$\pm 0.3\%$, $\pm 1.0 \text{ mm}$	-0.06 mm~+0.19 mm	Pass
			n=10, Ac=0, Re=2	d=0	
				-0.07%~-0.04%	+
2	Width	ISO 10545-2:2018	±0.3%, ±1.0 mm n=10, Ac=0, Re=2	-0.43 mm~-0.25 mm	D
	ST COLAMBIA (200			100000000000000000000000000000000000000	Pass
				d=0	
3	Thickness	ISO 10545-2:2018	\pm 5%, \pm 0.5 mm	+1.71%~+2.29%	
-	Theriess	150 10545-2.2018	n=10, Ac=0, Re=2	+0.18 mm~+0.24 mm	Pass
				d=0	
4	Stanishtanan of side	ISO 10545-2:2018	±0.3%, ±0.8 mm n=10, Ac=0, Re=2	-0.02%~+0.01%	Pass
4	Straightness of sides			-0.21 mm~+0.06 mm	
			1 10,110 0,110 2	d=0	
			±0.3%, ±1.5 mm	-0.02%~+0.02%	
5	Rectangularity	ISO 10545-2:2018	n=10, Ac=0, Re=2	-0.16 mm~+0.14 mm	Pass
			11-10, Ac-0, Re-2	d=0	
		ISO 10545-2:2018	±0.4%, ±1.8 mm n=10, Ac=0, Re=2	+0.01%~+0.02%	Pass
6	Center curvature			+0.10 mm~+0.31 mm	
				d=0	
				-0.01%~+0.01%	
7	Edge curvature	ISO 10545-2:2018	$\pm 0.4\%$, $\pm 1.8 \text{ mm}$		D
, Euge curva	Suge our runne	100 10343-2.2016	n=10, Ac=0, Re=2	-0.05 mm~+0.15 mm	Pass
			1040/ 1440	d=0	
8	Warpage	ISO 10545-2:2018	±0.4%, ±1.8 mm		
_			n=10, Ac=0, Re=2		
			A minimum of 95 % of the tiles		
9	Surface quality	ISO 10545-2:2018	are to be free from visible defects	Na vielble defente	Pass
	James quanty		which can impair the appearance	No visible defects	
			of a major area of tiles		
		ISO 10545-3:2018	Average: E _v ≤0.5	Average: 0.03	284
10	Water absorption (%)		Individual: E _v ≤0.6	Individual: 0.02~0.04	Pass
			n=5, Ac=0, Re=2	d=0	The state of the s
		ISO 10545-4:2019	Thickness ≥ 7.5 mm, ≥ 1300	Average: 3259	7
11	Breaking strength (N)13		Thickness < 7.5 mm, ≥ 700		Pass
		ISO 10545-4:2019	Average: ≥35	. 11	
12	Modulus of rupture (MPa)1'		Individual: ≥32	Average: 51	七州早
	Modulus of rupture (MLa)			Individual minimum: 51	77 4+73
13	Abrasion resistance	150 10515 7 2011	n=5, Ac=0, Re=2		
13	Abrasion resistance	ISO 10545-7:2014	Report the result of test	3 Class (1500 cyc	eles)
14	Thermal shock resistance	ISO 10545-9:2013	No crack or crazing	No crack and crazing	Pass
	The active and acceptance and the engine and active and the active and active active and active act		n=5, Ac=0, Re=2	d=0	rass
15	Crazing resistance	ISO 10545-11:1994	No crazing on glazed surface	No crazing	
13 Crazing resistance	Cruzing resistance	150 10343-11.1994	n=5, Ac=0, Re=2	d=0	Pass
16				u-0	
16 Frost resista	Frost registance	150 10545 12 1004	No crazing or peeling		
10	Frost resistance	ISO 10545-12:1994	No crazing or peeling	No crazing and peeling d=0	Pass
	Frost resistance Moisture expansion (mm/m)		No crazing or peeling n=10, Ac=0, Re=1	No crazing and peeling d=0	Pass
17	Moisture expansion (mm/m)	ISO 10545-10:1995	No crazing or peeling n=10, Ac=0, Re=1 Report the result of test	No crazing and peeling d=0 0.04	Pass
17 18			No crazing or peeling n=10, Ac=0, Re=1 Report the result of test Report the result of test	No crazing and peeling d=0 0.04 0.85	Pass
17 18	Moisture expansion (mm/m)	ISO 10545-10:1995	No crazing or peeling n=10, Ac=0, Re=1 Report the result of test Report the result of test Minimum 3 Class	No crazing and peeling d=0 0.04 0.85 5 Class	Pass
17 18	Moisture expansion (mm/m) Impact resistance Resistance to staining	ISO 10545-10:1995 ISO 10545-5:1996	No crazing or peeling n=10, Ac=0, Re=1 Report the result of test Report the result of test Minimum 3 Class n=5, Ac=0, Re=2	No crazing and peeling d=0 0.04 0.85 5 Class d=0	
17	Moisture expansion (mm/m) Impact resistance Resistance to staining Resistance Low concentration acids & alkalis	ISO 10545-10:1995 ISO 10545-5:1996	No crazing or peeling n=10, Ac=0, Re=1 Report the result of test Report the result of test Minimum 3 Class n=5, Ac=0, Re=2 LA, LB, LC	No crazing and peeling d=0 0.04 0.85 5 Class d=0 LA	
17 18 19	Moisture expansion (mm/m) Impact resistance Resistance to staining Resistance Low concentration acids & alkalis to High concentration acids & alkalis	ISO 10545-10:1995 ISO 10545-5:1996	No crazing or peeling n=10, Ac=0, Re=1 Report the result of test Report the result of test Minimum 3 Class n=5, Ac=0, Re=2 LA, LB, LC HA, HB, HC	No crazing and peeling d=0 0.04 0.85 5 Class d=0	
17 18 19	Moisture expansion (mm/m) Impact resistance Resistance to staining Resistance Low concentration acids & alkalis to High concentration acids & alkalis chemicals Household chemicals and swimming	ISO 10545-10:1995 ISO 10545-5:1996 ISO 10545-14:2015	No crazing or peeling n=10, Ac=0, Re=1 Report the result of test Report the result of test Minimum 3 Class n=5, Ac=0, Re=2 LA, LB, LC	No crazing and peeling d=0 0.04 0.85 5 Class d=0 LA	Pass
17 18 19	Moisture expansion (mm/m) Impact resistance Resistance to staining Resistance Low concentration acids & alkalis to High concentration acids & alkalis	ISO 10545-10:1995 ISO 10545-5:1996 ISO 10545-14:2015	No crazing or peeling n=10, Ac=0, Re=1 Report the result of test Report the result of test Minimum 3 Class n=5, Ac=0, Re=2 LA, LB, LC HA, HB, HC	No crazing and peeling d=0 0.04 0.85 5 Class d=0 LA HA	
17 18 19	Moisture expansion (mm/m) Impact resistance Resistance to staining Resistance	ISO 10545-10:1995 ISO 10545-5:1996 ISO 10545-14:2015	No crazing or peeling n=10, Ac=0, Re=1 Report the result of test Report the result of test Minimum 3 Class n=5, Ac=0, Re=2 LA, LB, LC HA, HB, HC Minimum B n=5,Ac=0,Re=2	No crazing and peeling d=0 0.04 0.85 5 Class d=0 LA HA	Pass
17 18	Moisture expansion (mm/m) Impact resistance Resistance to staining Resistance Low concentration acids & alkalis to High concentration acids & alkalis chemicals Household chemicals and swimming	ISO 10545-10:1995 ISO 10545-5:1996 ISO 10545-14:2015	No crazing or peeling n=10, Ac=0, Re=1 Report the result of test Report the result of test Minimum 3 Class n=5, Ac=0, Re=2 LA, LB, LC HA, HB, HC Minimum B	No crazing and peeling d=0 0.04 0.85 5 Class d=0 LA HA A d=0 Lead release: <0	Pass Pass
17 18 19	Moisture expansion (mm/m) Impact resistance Resistance to staining Resistance	ISO 10545-10:1995 ISO 10545-5:1996 ISO 10545-14:2015	No crazing or peeling n=10, Ac=0, Re=1 Report the result of test Report the result of test Minimum 3 Class n=5, Ac=0, Re=2 LA, LB, LC HA, HB, HC Minimum B n=5,Ac=0,Re=2	No crazing and peeling $d=0$ 0.04 0.85 5 Class $d=0$ LA HA A $d=0$ Lead release: <0 Cadmium release: <	Pass Pass
17 18 19	Moisture expansion (mm/m) Impact resistance Resistance to staining Resistance	ISO 10545-10:1995 ISO 10545-5:1996 ISO 10545-14:2015	No crazing or peeling $n=10$, $Ac=0$, $Re=1$ Report the result of test Report the result of test Minimum 3 Class $n=5$, $Ac=0$, $Re=2$ LA, LB, LC HA, HB, HC Minimum B $n=5$, $Ac=0$, $Re=2$ Report the result of test Class A: $I_{Ra} \le 1.0$, $I_{\gamma} \le 1.3$	No crazing and peeling $d=0$ 0.04 0.85 5 Class $d=0$ LA HA A $d=0$ Lead release: <0 Cadmium release: < $I_{Ra}=0.6$	Pass Pass .003 <0.001
17 18 19 20 21	Moisture expansion (mm/m) Impact resistance Resistance to staining Resistance to concentration acids & alkalis High concentration acids & alkalis Chemicals (Class) Household chemicals and swimming pool salts Lead and cadmium release (mg/dm²)	ISO 10545-10:1995 ISO 10545-5:1996 ISO 10545-14:2015 ISO 10545-13:2016	No crazing or peeling $n=10$, $Ac=0$, $Re=1$ Report the result of test Report the result of test Minimum 3 Class $n=5$, $Ac=0$, $Re=2$ LA, LB, LC HA, HB, HC Minimum B $n=5$, $Ac=0$, $Re=2$ Report the result of test Class A: $I_{Ra} \leqslant 1.0$, $I_{\gamma} \leqslant 1.3$ Class B: $I_{Ra} \leqslant 1.3$, $I_{\gamma} \leqslant 1.9$	No crazing and peeling $d=0$ 0.04 0.85 5 Class $d=0$ LA HA A $d=0$ Lead release: <0 Cadmium release: <	Pass Pass
17 18 19 20 21 22	Moisture expansion (mm/m) Impact resistance Resistance to staining Resistance to Unit of Concentration acids & alkalis High concentration acids & alkalis Household chemicals and swimming pool salts Lead and cadmium release (mg/dm²) Limit of radionuclides	ISO 10545-10:1995 ISO 10545-5:1996 ISO 10545-14:2015 ISO 10545-13:2016 ISO 10545-15:1995 Item 4. of GB 6566-2010	No crazing or peeling $n=10$, $Ac=0$, $Re=1$ Report the result of test Report the result of test Minimum 3 Class $n=5$, $Ac=0$, $Re=2$ LA, LB, LC HA, HB, HC Minimum B $n=5$, $Ac=0$, $Re=2$ Report the result of test Class A: $I_{Ra} \leqslant 1.0$, $I_{\gamma} \leqslant 1.3$ Class B: $I_{Ra} \leqslant 1.3$, $I_{\gamma} \leqslant 1.9$ Class C: $I_{\gamma} \leqslant 2.8$	No crazing and peeling $d=0$ 0.04 0.85 $5 \text{ Class } d=0$ LA HA A $d=0$ $Lead \text{ release: } < 0$ $Cadmium \text{ release: } < 1$ $I_{Ra}=0.6$ $I_{7}=1.1$	Pass .003 <0.001 Class A
17 18 19 20 21 22 23	Moisture expansion (mm/m) Impact resistance Resistance to staining Resistance to Understand to High concentration acids & alkalis High concentration acids & alkalis Household chemicals and swimming pool salts Lead and cadmium release (mg/dm²) Limit of radionuclides content of resolvable Pb (mg/kg)	ISO 10545-10:1995 ISO 10545-5:1996 ISO 10545-14:2015 ISO 10545-13:2016 ISO 10545-15:1995 Item 4. of GB 6566-2010 HJ/T 297-2006 Annex A	No crazing or peeling $n=10$, $Ac=0$, $Re=1$ Report the result of test Report the result of test Minimum 3 Class $n=5$, $Ac=0$, $Re=2$ LA, LB, LC HA, HB, HC Minimum B $n=5$, $Ac=0$, $Re=2$ Report the result of test Class A: $I_{Ra} \leqslant 1.0$, $I_{\gamma} \leqslant 1.3$ Class B: $I_{Ra} \leqslant 1.3$, $I_{\gamma} \leqslant 1.9$ Class C: $I_{\gamma} \leqslant 2.8$ $\leqslant 20$	No crazing and peeling $d=0$ 0.04 0.85 $5 \text{ Class } d=0$ LA HA A $d=0$ $Lead \text{ release: } < 0$ $Cadmium \text{ release: } < 1$ $I_{Ra}=0.6$ $I_{7}=1.1$ 3.5	Pass Pass .003 <0.001 Class A Pass
17 18 19 20 21 22 23 24	Moisture expansion (mm/m) Impact resistance Resistance to staining Resistance to Understand to High concentration acids & alkalis High concentration acids & alkalis Household chemicals and swimming pool salts Lead and cadmium release (mg/dm²) Limit of radionuclides content of resolvable Pb (mg/kg) content of resolvable Cd (mg/kg)	ISO 10545-10:1995 ISO 10545-5:1996 ISO 10545-14:2015 ISO 10545-13:2016 ISO 10545-15:1995 Item 4. of GB 6566-2010 HJ/T 297-2006 Annex A HJ/T 297-2006 Annex A	No crazing or peeling $n=10$, $Ac=0$, $Re=1$ Report the result of test Report the result of test Minimum 3 Class $n=5$, $Ac=0$, $Re=2$ LA, LB, LC HA, HB, HC Minimum B $n=5$, $Ac=0$, $Re=2$ Report the result of test Class A: $I_{Ra} \leqslant 1.0$, $I_{\gamma} \leqslant 1.3$ Class B: $I_{Ra} \leqslant 1.3$, $I_{\gamma} \leqslant 1.9$ Class C: $I_{\gamma} \leqslant 2.8$ $\leqslant 20$	No crazing and peeling $d=0$ 0.04 0.85 $5 \text{ Class } d=0$ LA HA A $d=0$ $Lead \text{ release: } < 0$ $Cadmium \text{ release: } < 0$ $I_{Ra}=0.6$ $I_{\gamma}=1.1$ 3.5 < 0.05	Pass Pass .003 <0.001 Class A
17 18 19 20 21 22 23	Moisture expansion (mm/m) Impact resistance Resistance to staining Resistance to Understand to High concentration acids & alkalis High concentration acids & alkalis Household chemicals and swimming pool salts Lead and cadmium release (mg/dm²) Limit of radionuclides content of resolvable Pb (mg/kg)	ISO 10545-10:1995 ISO 10545-5:1996 ISO 10545-14:2015 ISO 10545-13:2016 ISO 10545-15:1995 Item 4. of GB 6566-2010 HJ/T 297-2006 Annex A HJ/T 297-2006 Annex A Item 6.5.4. of JC/T 872-2000	No crazing or peeling $n=10$, $Ac=0$, $Re=1$ Report the result of test Report the result of test Minimum 3 Class $n=5$, $Ac=0$, $Re=2$ LA, LB, LC HA, HB, HC Minimum B $n=5$, $Ac=0$, $Re=2$ Report the result of test Class A: $I_{Ra} \leqslant 1.0$, $I_{\gamma} \leqslant 1.3$ Class B: $I_{Ra} \leqslant 1.3$, $I_{\gamma} \leqslant 1.9$ Class C: $I_{\gamma} \leqslant 2.8$ $\leqslant 20$	No crazing and peeling $d=0$ 0.04 0.85 $5 \text{ Class } d=0$ LA HA A $d=0$ $Lead \text{ release: } < 0$ $Cadmium \text{ release: } < 1$ $I_{Ra}=0.6$ $I_{7}=1.1$ 3.5	Pass Pass .003 <0.001 Class A Pass

³⁾ This product is not applicable to JC/T 872-2000 as it does not belong to Glass-ceramics for building decoration. The test data are for reference only.