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中国认可
国际互认
检测
TESTING
CNAS L0106

INSPECTION REPORT

No: 2101029102

PRODUCT	Polished Glazed Porcelain Tiles (9FMB)
NOMINAL SIZE	900mm×900mm×10.5mm
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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INSPECTION REPORT

No:2101029102

Product	Polished Glazed Porcelain Tiles (9FMB)	Nominal Size	900mm×900mm×10.5mm
		Work Size	900mm×900mm×10.5mm
Client	Monalisa Group Co., Ltd	Client Address	Xiqiao Textile Industrial Zone, Nanhai District, Foshan, Guangdong, China
Manufacturer	Monalisa Group Co., Ltd	Manufacturer Address	Xiqiao Textile Industrial Zone, Nanhai District, Foshan, Guangdong, China
Inspection Standard	ISO 13006:2018 GB 6566-2010 HJ/T 297-2006 Refer to JC/T 872-2000	Determination Standard	ISO 13006:2018 GB 6566-2010 HJ/T 297-2006 Refer to JC/T 872-2000
Trade Mark	MONALISA	Inspection Type	Sampling
Classification	B Ⅰa		
Sampler	Ma Zhuan E, Wang Chen	Sampling Date	2021.01.01
Sampling Base	5000 boxes	Sampling Site	Storehouse of manufacturer
Sample Quantities	12 boxes (24 pieces)	Inspection Item	See page 2
Production Date / Batch	2020.12.13	Inspection Site	Site 1
Receive Date	2021.01.12	Inspection Date	2021.01.14～2021.04.02
Sample Description	Glazed and polished surface		
Inspection Conclusion	According to standard of Annex G of *ISO 13006:2018 Ceramic tiles-Definitions, classification, characteristics and marking*, inspecting 19 properties of the product. The result testifies that 19 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. Signet: Issued Date: 2021.04.06		
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.		

Approver: Auditor: Main-Inspector:

INSPECTION REPORT

No:2101029102

No.	Properties	Test	Requirements	Result	Determinant
1	Side	ISO 10545-2:2018	±0.3%, ±1.0 mm n=10, Ac=0, Re=2	-0.01%～0.00% -0.08 mm～+0.04 mm d=0	Pass
2	Thickness	ISO 10545-2:2018	±5%, ±0.5 mm n=10, Ac=0, Re=2	+0.38%～+2.00% +0.04 mm～+0.21 mm d=0	Pass
3	Straightness of sides	ISO 10545-2:2018	±0.3%, ±0.8 mm n=10, Ac=0, Re=2	-0.02%～0.00% -0.16 mm～-0.03 mm d=0	Pass
4	Rectangularity	ISO 10545-2:2018	±0.3%, ±1.5 mm n=10, Ac=0, Re=2	-0.02%～+0.01% -0.16 mm～+0.10 mm d=0	Pass
5	Center curvature	ISO 10545-2:2018	±0.4%, ±1.8 mm n=10, Ac=0, Re=2	-0.01%～0.00% -0.12 mm～+0.06 mm d=0	Pass
6	Edge curvature	ISO 10545-2:2018	±0.4%, ±1.8 mm n=10, Ac=0, Re=2	-0.03%～+0.01% -0.27 mm～+0.05 mm d=0	Pass
7	Warpage	ISO 10545-2:2018	±0.4%, ±1.8 mm n=10, Ac=0, Re=2	——	——
8	Surface quality	ISO 10545-2:2018	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	No visible defects	Pass
9	Water absorption (%)	ISO 10545-3:2018	Average: $E_v \leq 0.5$ Individual: $E_v \leq 0.6$ n=5, Ac=0, Re=2	Average: 0.05 Individual: 0.04~0.05 d=0	Pass
10	Breaking strength (N)[1)]	ISO 10545-4:2019	Thickness≥7.5 mm, ≥1300 Thickness<7.5 mm, ≥700	Average: 2868	Pass
11	Modulus of rupture (MPa)[1)]	ISO 10545-4:2019	Average: ≥35 Individual: ≥32 n=7, Ac=0, Re=2	Average: 47 Individual minimum: 46 d=0	Pass
12	Abrasion resistance	ISO 10545-7:2014	Report the result of test	4 Class (2100 cycles)	
13	Thermal shock resistance	ISO 10545-9:2013	No crack or crazing n=5, Ac=0, Re=2	No crack and crazing d=0	Pass
14	Crazing resistance	ISO 10545-11:1994	No crazing on glazed surface n=5, Ac=0, Re=2	No crazing d=0	Pass
15	Frost resistance	ISO 10545-12:1994	No crazing or peeling n=10, Ac=0, Re=1	No crazing and peeling d=0	Pass
16	Moisture expansion (mm/m)	ISO 10545-10:1995	Report the result of test	0.03	
17	Impact resistance	ISO 10545-5:1996	Report the result of test	0.79	
18	Resistance to staining	ISO 10545-14:2015	Minimum 3 Class n=5, Ac=0, Re=2	5 Class d=0	Pass
19	Resistance to chemicals (Class): Low concentration acids & alkalis	ISO 10545-13:2016	LA, LB, LC	LA	
	Resistance to chemicals (Class): High concentration acids & alkalis		HA, HB, HC	HA	
	Resistance to chemicals (Class): Household chemicals and swimming pool salts		Minimum B n=5,Ac=0,Re=2	A d=0	Pass
20	Lead and cadmium release (mg/dm²)	ISO 10545-15:1995	Report the result of test	Lead release: <0.003 Cadmium release: <0.001	
21	Limit of radionuclides	Item 4. of GB 6566-2010	Class A: $I_{Ra} \leq 1.0$, $I_\gamma \leq 1.3$ Class B: $I_{Ra} \leq 1.3$, $I_\gamma \leq 1.9$ Class C: $I_\gamma \leq 2.8$	I_{Ra}=0.5 I_γ=0.8	Class A
22	content of resolvable Pb (mg/kg)	HJ/T 297-2006 Annex A	≤20	3.5	Pass
23	content of resolvable Cd (mg/kg)	HJ/T 297-2006 Annex A	≤5	<0.05	Pass
24	Scratch hardness of surface according to mohs[2)]	Item 6.5.4. of JC/T 872-2000	5～6 class	6 Class	
Note	1) The product is cut to 450mm×450mm for this test. 2) 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.				

(Nothing below)