



中国认可
国际互认
检测
TESTING
CNAS L0106

INSPECTION REPORT

No: 2101027902



| | |
|-----------------|------------------------------------|
| PRODUCT | Glazed Porcelain Tiles (8FVA/8FVS) |
| NOMINAL SIZE | 800mm×800mm×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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| | | | |
|-------------------------|--|------------------------|---|
| Product | Glazed Porcelain Tiles (8FVA/8FVS) | Nominal Size | 800mm × 800mm × 10.5mm |
| | | Work Size | 800mm × 800mm × 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 I a | | |
| Sampler | Ma Zhuan E, Wang Chen | Sampling Date | 2021.01.01 |
| Sampling Base | 6000 boxes | Sampling Site | Storehouse of manufacturer |
| Sample Quantities | 8 boxes (24 pieces) | Inspection Item | See page 2 |
| Production Date / Batch | 2020.06.11 | Inspection Site | Site 1 |
| Receive Date | 2021.01.12 | Inspection Date | 2021.01.14~2021.04.02 |
| Sample Description | Glazed and uneven surface | | |
| Inspection Conclusion | <p>According to standard of Annex G of <i>ISO 13006:2018 Ceramic tiles-Definitions, classification, characteristics and marking</i>, inspecting 17 properties of the product. The result testifies that the product reaches the requirements of the standard.</p> <p>According to standard of <i>GB 6566-2010 Limit of radionuclides in building materials</i> test. The result testifies that the product reaches class A requirements of the standard.</p> <p>According to standard of <i>HJ/T 297-2006 Specifications for environmental labeling products-ceramics tiles</i>, inspecting content of resolvable Pb and content of resolvable Cd. The result testifies that 2 properties of the product reaches requirements of the standard.</p> <p>Refer to standard of <i>JC/T 872-2000 Glass-ceramics for building decoration</i>, inspecting the scratch hardness of surface according to mohs of 5.5.2. The test results on page 2.</p> | | |
| Notes | <p>Site 1: China Building Material Certification Tower, Wangsi Street, Fengdong in Xixian New Area, Shaanxi, China.</p> <p>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.</p> | | |



Approver:

Auditor:

Main-Inspector:

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| No. | Properties | | Test | Requirements | Result | Determinant |
|------|---|---|------------------------------|--|---|-------------|
| 1 | Side | | ISO 10545-2:2018 | $\pm 0.3\%$, ± 1.0 mm n=10, Ac=0, Re=2 | -0.05%~-0.02% -0.37 mm~-0.18 mm d=0 | Pass |
| 2 | Thickness | | ISO 10545-2:2018 | $\pm 5\%$, ± 0.5 mm n=10, Ac=0, Re=2 | +1.24%~+2.86% +0.13 mm~+0.30 mm d=0 | Pass |
| 3 | Straightness of sides | | ISO 10545-2:2018 | $\pm 0.3\%$, ± 0.8 mm n=10, Ac=0, Re=2 | -0.01%~0.00% -0.11 mm~+0.01 mm d=0 | Pass |
| 4 | Rectangularity | | ISO 10545-2:2018 | $\pm 0.3\%$, ± 1.5 mm n=10, Ac=0, Re=2 | -0.02%~+0.02% -0.16 mm~+0.17 mm d=0 | Pass |
| 5 | Center curvature | | ISO 10545-2:2018 | $\pm 0.4\%$, ± 1.8 mm n=10, Ac=0, Re=2 | --- | --- |
| 6 | Edge curvature | | ISO 10545-2:2018 | $\pm 0.4\%$, ± 1.8 mm n=10, Ac=0, Re=2 | --- | --- |
| 7 | Warpage | | ISO 10545-2:2018 | $\pm 0.4\%$, ± 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: 0.04 Individual: 0.03~0.04 d=0 | Pass |
| 10 | Breaking strength (N) | | ISO 10545-4:2019 | Thickness ≥ 7.5 mm, ≥ 1300 Thickness < 7.5 mm, ≥ 700 | Average: 2460 | Pass |
| 11 | Modulus of rupture (MPa) | | ISO 10545-4:2019 | Average: ≥ 35 Individual: ≥ 32 n=7, Ac=0, Re=2 | Average: 39 Individual minimum: 38 d=0 | Pass |
| 12 | Abrasion resistance | | ISO 10545-7:2014 | Report the result of test | 4 Class (2100 cycles) | Pass |
| 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 | 0.04 | |
| 17 | Impact resistance | | ISO 10545-5:1996 | Report the result of test | 0.83 | |
| 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 | Pass |
| | | High concentration acids & alkalis | | HA, HB, HC | HA | |
| | | Household chemicals and swimming pool salts | | Minimum B n=5, Ac=0, Re=2 | A d=0 | |
| 20 | Lead and cadmium release (mg/dm ²) | | 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: $I_{\gamma} \leq 2.8$ | $I_{Ra}=0.6$ $I_{\gamma}=0.9$ | 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 property does not apply because that the product is uneven surface. 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)