# National Center of Supervision and Inspection for Ceramic Sanitary and Plumbing Fixture

# Test Report

Form No.: QR-CX049-01A/Ed.10.0 

| | | | |
|---|---|---|---|
| Product Name, Model and Dimension Trademark/Grade | Glazed Tiles 600mm×600mm×9mm ——/—— | Production Date, Production Batch | ——/—— |
| | | Sample Number | —— |
| Client | GUANGDONG YONGHANG NEW MATERIAL INDUSTRIAL CO.,LTD. | Test Category | Entrusted Test |
| Client Address | XIAODONG INDUSTRY, GENG HE TOWN, GAOMING ,FOSHAN CITY | Sample Quantity / Method of Sample Receipt | 12PCS/ Provided by client |
| Manufacturer (As the Applicant Claimed) | GUANGDONG YONGHANG NEW MATERIAL INDUSTRIAL CO.,LTD. | Receival Date | 2018-06-11 |
| Manufacturer Address (As the Applicant Claimed) | XIAODONG INDUSTRY, GENG HE TOWN, GAOMING ,FOSHAN CITY | Sample Receiver | Li Dongping |
| Sample's State and Characteristic | PIECES（Glazed） | Test Date | 2018-06-12 ～ 2018-06-22 |
| Test Basis | *GB/T4100-2015（Annex G）Ceramic Tiles Annex G Dry-pressed ceramic tiles with Low water absorption E≤0.5% Group BIa；GB 6566-2010 Limit of radionuclides in building materials* | | |
| Test Result | Except the test items No.13～15 are not verdict, the test results comply with the requirement of the standard GB/T 4100-2015 Annex G and the type A requirement for the decorative materials of the standard GB 6566-2010.<br>2018-06-22<br>Any copy of test report is invalid without official test seal | | |
| Remarks | The test report is only responsible for the sample. | | |

Approved by: 曹阳 Checked by: 吴锦程 Tested by: 吴松辉

# National Center of Supervision and Inspection for Ceramic Sanitary and Plumbing Fixture

# Test Report

No.: G18-WT5239E

Form No.: QR-CX049-02A/Ed.10.0 

| No. | TestItems | Unit | TechnicalRequirements | | | TestResults | | Verdict |
|---|---|---|---|---|---|---|---|---|
| 1 | Sizeand difference | % | Length | The deviation, of the average size for each tile from the work size | ±0.6 | -0.03～+0.05 | | Pass |
| | | mm | | | Maximum±2.0 | -0.2～+0.3 | | |
| | | mm | Thickness | Worksize≤10.0 | | 9.0 | | |
| | | % | | The deviation, of the average size for each tile from the work size | ±5 | +1.1～+3.3 | | |
| | | mm | | | Maximum±0.5 | +0.1～+0.3 | | |
| 2 | Straightness of sides | % | ±0.5 | | | -0.04～+0.04 | | Pass |
| | | mm | Maximum±1.5 | | | -0.21～+0.25 | | |
| 3 | Rectangularity | % | ±0.5 | | | -0.04～+0.04 | | Pass |
| | | mm | Maximum±2.0 | | | -0.25～+0.22 | | |
| 4 | Surface flatness | % | Edge curvature | ±0.5 | | -0.04～+0.05 | | Pass |
| | | mm | | Maximum±2.0 | | -0.25～+0.32 | | |
| | | % | Warpage | ±0.5 | | -0.04～+0.05 | | |
| | | mm | | Maximum±2.0 | | -0.35～+0.42 | | |
| | | % | Center curvature | ±0.5 | | +0.04～+0.05 | | |
| | | mm | | Maximum±2.0 | | +0.31～+0.42 | | |
| 5 | Surfacequality | — | 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 | Waterabsorption | % | Average maximum 0.5<br>Individualmaximum 0.6 | | | 0.05<br>0.03～0.06 | | Pass |
| 7 | Breaking strength | N | When the thickness≥7.5mm, the mean value shall not be less than 1300 | | | 2229 | | Pass |
| 8 | Modulusofrupture | MPa | Average minimum 35<br>Individual minimum 32 | | | 46<br>44～48 | | Pass |
| 9 | Crazing resistance | — | No crazing or peeling on the glazed surface after the crazing test. | | | Conformed | | Pass |
| 10 | Resistanceto staining | — | Mininum class 3 | | | Class5 | | Pass |
| 11 | Staticcoefficientoffriction | — | Individual≥0.50 | | | Dry | 0.54～0.57 | Pass |
| 12 | Resistance to household chemicals& swimming poolsalts | — | Minimum GB | | | Class GA | | Pass |
| 13 | Resistance to low concentrations of acids and alkalis | — | Report the class after the tests | | | Class GLA | | — |
| 14 | Surface abrasion | — | Report abrasion class and cycles passed | | | 2100 cycles | Class 4 | — |
| 15 | Mohs'hardness | — | According toJC/T872-2000 | | | 5 | | — |
| 16 | Internalexposureindex $I_{Ra}$ | — | Decorative materials Type A: $I_{Ra}$≤1.0 | | | 0.4 | | Type A |
| | | | Decorative materials Type B: $I_{Ra}$≤1.3 | | | | | |
| | Externalexposure index $I_r$ | — | Decorative materials TypeA: $I_r$≤1.3 | | | 0.7 | | |
| | | | Decorative materials Type B: $I_r$≤1.9 | | | | | |
| | | | Decorative materials Type C: $I_r$≤2.8 | | | | | |

(The End)