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中国认可
国际互认
检测
TESTING
CNAS L0106

检 验 报 告

INSPECTION REPORT

No: 2103123101

PRODUCT/产品名称: GLAZED TILES 釉面砖
NOMINAL SIZE/名义尺寸: 600mm×600mm×20mm
TRADE MARK/商标: TUTTOBENE 托托贝尼
CLIENT/受检单位: FOSHAN TUTTOBENE CERAMICS CO., LTD
佛山市托托贝尼建材有限公司
INSPECTION TYPE/检验类型: Sampling 抽样检验

中国建材检验认证集团(陕西)有限公司

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

国家建筑卫生陶瓷质量监督检验中心

National Quality Supervision Inspection Center of Building and Sanitary Ceramics CHINA

注 意 事 项

ATTENTION

1. This inspection report should be invalid without the special signet of the testing body.
报告无本检验机构检验检测专用章无效。
2. Any copy of the report should be invalid except for signet on the testing body again.
复制报告未重新加盖本检验机构检验检测专用章或部分复制报告无效。
3. This report should be invalid in case one of the three of Main-Inspector, auditor, approver was absent.
报告无主检、审核、批准人签章无效。
4. This report should be invalid if altered.
报告涂改无效。
5. Any objection should be raised to the testing body in fifteen days after reception, it would be rejected if late.
对检验报告若有异议，应于收到报告之日起十五日内向本检验机构提出，逾期不予受理。
6. The report is only responsible for the commissioned samples in commission inspection.
委托检验仅对来样负责。

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Product 产品名称	GLAZED TILES 釉面砖	Nominal Size 名义尺寸	600mm×600mm×20mm
		Work Size 工作尺寸	600mm×600mm×20mm
Client 受检单位	FOSHAN TUTTOBENE CERAMICS CO., LTD 佛山市托托贝尼建材有限公司	Client Address 受检单位地址	Building 9, Central District Area C, China Ceramic Industry Headquarters (CCIH), 68Th Jihua Road, Chancheng District Foshan, Guangdong China 佛山市禅城区季华西路陶瓷总部基地中区 C09 托托贝尼陶瓷
Manufacturer 生产单位	Fujian Nanan BAODA Building Material Co., Ltd 福建省南安宝达建材有限公司	Manufacturer Address 生产单位地址	Qianwu Industrial Park, Guangqiao Nanan, Quanzhou, Fujian, China 福建省南安市官桥镇前梧工业区
Inspection Standard 检验依据	GB/T 4100-2015 GB 6566-2010 HJ/T 297-2006	Determination Standard 判定依据	GB/T 4100-2015 GB 6566-2010 HJ/T 297-2006
Trade Mark 商 标	TuttoBENE 托托贝尼	Inspection Type 检验类别	Sampling 抽样检验
Classification 产品类别	B I a		
Sampler 抽 样 人	Ma Zhuan E, Wang Chen 马转娥、王琛	Sampling Date 抽样日期	2021.03.15
Sampling Base 抽样基数	3000 boxes/箱	Sampling Site 抽样地点	Storehouse of manufacturer 生产单位成品库
Sample Quantities 样品数量	24 pieces/块	Inspection Item 检验项目	See page 2 & 3 见第 2、3 页
Production Date / Production Batch 生产日期/ 生产批号	008A06	Inspection Site 检验场所	Site 1 场所 1
Receive Date 到样日期	2021.03.26	Inspection Date 检验日期	2021.03.29~2021.04.19
Sample Description 样品描述	Glazed and even surface 有釉、平整		
Inspection Conclusion 检验结论	<p>According to standard of Annex G of GB/T 4100-2015 Ceramic tile, inspecting 22 properties of resistance to staining and resistance to chemicals of the product. The result testifies that the product reaches the requirements of the standard. 抽样产品按照 GB/T 4100-2015《陶瓷砖》标准附录 G 检验边长等二十二项指标。经检验，该产品符合标准要求。该产品合格。</p> <p>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. 抽样产品按照 GB 6566-2010《建筑材料放射性核素限量》标准进行检验。经检验，该产品为 A 类装饰装修材料，产销与使用范围不受限制。</p> <p>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. 抽样产品按照 HJ/T 297-2006《环境标志产品技术要求 陶瓷砖》标准检验可溶性铅含量和可溶性镉含量两项指标。经检验，该产品两项指标均符合标准要求。</p>		
Notes 备注	<p>Site 1/场所 1: China Building Material Certification Tower, Wangsi Street, Fengdong in Xixian New Area, Shaanxi, China./ 陕西省西咸新区沣东新城王寺街道红光大道以北中国建材认证大厦。</p>		



批准 / Approver:

审核 / Auditor:

主检 / Main-Inspector:

中国建材检验认证集团（陕西）有限公司
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No. 序号	Properties 项 目 名 称	Test 检 验 方 法	Requirements 技 术 要 求	Result 检 验 结 果	Determinant 判 定
1	Side/边长	GB/T 3810.2-2016	$\pm 0.6\%$, ± 2.0 mm n=10, Ac=0, Re=2	-0.05%~-0.03% -0.30 mm~-0.19 mm d=0	Pass/合格
2	Thickness/厚度值	/	≤ 10.0 mm	20.0 mm	——1)
3	Thickness deviation/厚度偏差	GB/T 3810.2-2016	$\pm 5\%$, ± 0.5 mm n=10, Ac=0, Re=2	-0.45%~+0.50% -0.09 mm~+0.10 mm d=0	Pass/合格
4	Straightness of sides/边直度	GB/T 3810.2-2016	$\pm 0.5\%$, ± 1.5 mm n=10, Ac=0, Re=2	-0.06%~+0.10% -0.33 mm~+0.59 mm d=0	Pass/合格
5	Rectangularity/直角度	GB/T 3810.2-2016	$\pm 0.5\%$, ± 2.0 mm n=10, Ac=0, Re=2	-0.09%~+0.05% -0.51 mm~+0.27 mm d=0	Pass/合格
6	Center curvature/中心弯曲度	GB/T 3810.2-2016	$\pm 0.5\%$, ± 2.0 mm n=10, Ac=0, Re=2	+0.04%~+0.07% +0.30 mm~+0.59 mm d=0	Pass/合格
7	Edge curvature/边弯曲度	GB/T 3810.2-2016	$\pm 0.5\%$, ± 2.0 mm n=10, Ac=0, Re=2	-0.04%~+0.03% -0.25 mm~+0.15 mm d=0	Pass/合格
8	Warpage/翘曲度	GB/T 3810.2-2016	$\pm 0.5\%$, ± 2.0 mm n=10, Ac=0, Re=2	-0.03%~+0.07% -0.29 mm~+0.58 mm d=0	Pass/合格
9	Surface quality/表面质量	GB/T 3810.2-2016	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 至少砖的 95%主要区域无明显缺陷 n=10, Ac=0, Re=2	No visible defects 无明显缺陷 d=0	Pass/合格
10	Water absorption/吸水率(%)	GB/T 3810.3-2016	Average/平均值: $E \leq 0.5$ Individual/单个值: $E \leq 0.6$ n=5, Ac=0, Re=2	Average/平均值: 0.05 Individual/单个值: 0.04~0.07 d=0	Pass/合格
11	Breaking strength/破坏强度(N)	GB/T 3810.4-2016	Thickness/厚度 ≥ 7.5 mm, ≥ 1300 Thickness/厚度 < 7.5 mm, ≥ 700	Average/平均值: 9667	Pass/合格
12	Modulus of rupture/断裂模数(MPa)	GB/T 3810.4-2016	Average/平均值: ≥ 35 Individual/单个值: ≥ 32 n=7, Ac=0, Re=2	Average/平均值: 39 Individual minimum/最小值: 39	——2)
13	Abrasion resistance/耐磨性	GB/T 3810.7-2016	Report the result of test 报告检验结果	4 Class/级 (2100 cycles/转)	
14	Thermal shock resistance/抗热震性	GB/T 3810.9-2016	No crack or crazing 无炸裂或裂纹 n=5, Ac=0, Re=2	No crack and crazing 无炸裂和裂纹 d=0	Pass/合格

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No. 序号	Properties 项目名称		Test 检验方法	Requirements 技术要求	Result 检验结果	Determinant 判定
15	Crazing resistance/抗釉裂性		GB/T 3810.11-2016	No crazing on glazed surface 无釉裂 n=5, Ac=0, Re=2	No crazing 无釉裂 d=0	Pass/合格
16	Frost resistance/抗冻性		GB/T 3810.12-2016	No crazing or peeling 无裂纹或剥落 n=10, Ac=0, Re=1	No crazing and peeling 无裂纹和剥落 d=0	Pass/合格
17	Coefficient of static friction 静摩擦系数		GB/T 4100-2015 Annex M	Individual/单个值: ≥ 0.50 n=3, Ac=0, Re=1	Dry minimum/干法最小值: 0.98 d=0	Pass/合格
18	Moisture expansion/湿膨胀(mm/m)		GB/T 3810.10-2016	Report the result of test 报告检验结果	0.03	
19	Impact resistance/抗冲击性		GB/T 3810.5-2016	Report the result of test 报告平均恢复系数	0.80	
20	Resistance to staining/耐污染性		GB/T 3810.14-2016	Minimum 3 Class/最低 3 级 n=5, Ac=0, Re=2	5 Class/级 d=0	Pass/合格
21	Resistance to chemicals (Class)/ 耐化学腐蚀 性(级)	Low concentration acids & alkalis 耐低浓度酸和碱	GB/T 3810.13-2016	GLA、GLB、GLC	GLA	Pass/合格
		High concentration acids & alkalis 耐高浓度酸和碱		GHA、GHB、GHC	GHA	
		Household chemicals and swimming pool salts 耐家庭化学试剂和游泳池盐类		Minimum/不低于 GB n=5, Ac=0, Re=2	GA d=0	
22	Lead and cadmium release 铅镉溶出量 (mg/dm ²)		GB/T 3810.15-2016	Report the result of test 报告检测结果	Lead release/铅溶出量: 0.004 Cadmium release/镉溶出量: 0.001	
23	Limit of Radionuclides 放射性核素限量		GB 6566-2010 之 4	A Class/类: $I_{Ra} \leq 1.0, I_{\gamma} \leq 1.3$ B Class/类: $I_{Ra} \leq 1.3, I_{\gamma} \leq 1.9$ C Class/类: $I_{\gamma} \leq 2.8$	$I_{Ra}=0.3$ $I_{\gamma}=0.9$	A Class/类
24	content of resolvable Pb 可溶性铅含量 (mg/kg)		HJ/T 297-2006 Annex A	≤ 20	≤ 0.5	Pass/合格
25	content of resolvable Cd 可溶性镉含量 (mg/kg)		HJ/T 297-2006 Annex A	≤ 5	0.3	Pass/合格
Note 备注	1) The property does not apply because that the product adopts special process./该产品采用特殊工艺，此项指标不适用。 2) The property does not apply because that the breaking strength ≥ 3000 N, so the test data are for reference only./该产品的破坏强度 ≥ 3000 N，此项指标不适用，检验数据仅供参考。					

(Nothing below/以下无内容)