



中国认可
国际互认
检测
TESTING
CNAS L0106

检测报告

TEST REPORT

No : 2301038901

PRODUCT/产品名称:	SINTERED STONE/岩板
NOMINAL SIZE/名义尺寸:	1600mm×3200mm×20mm
TRADE MARK/商标:	NEWPEARL/新明珠岩板
CLIENT/受检单位:	CENTRAL INDUSTRIAL DEVELOPMENT ZONE, BAINI TOWN, SANSUI DISTRICT, FOSHAN CITY, GUANGDONG PROVINCE, P.R. CHINA 广东省佛山市三水区白坭镇中部工业开发区
TEST TYPE/检测类型:	Sampling/抽样检测

中国国检测试控股集团陕西有限公司

China Testing & Certification International Group Shaanxi Co., Ltd.

国家建筑卫生陶瓷质量检验检测中心

National Quality Inspection and Testing Center of Building and Sanitary Ceramics

注 意 事 项

ATTENTION

1. 报告无本机构检测专用章无效。The report should be invalid without the special seal of the testing body.
2. 复制报告未重新加盖本机构检测专用章或部分复制报告无效。The copied report should be invalid if it is not re-stamped with the special seal for test of the testing body or partially copied.
3. 报告无主检、审核、批准人签章无效。The report should be invalid without the signature of the principal Main-Inspector, auditor and approver.
4. 报告涂改无效。The report should be invalid if altered.
5. 对本报告若有异议，应于收到报告之日起十五日内向本机构提出，逾期不予受理。Any objection to this report shall be submitted to the testing body within 15 days after receipt of the report.
6. 委托检测仅对来样负责。Commissioned test is only responsible for the samples delivered.
7. 中国国检测试控股集团陕西有限公司是国家建筑卫生陶瓷质量检验检测中心的法人单位，承担本报告的法律责任。*China Testing & Certification International Group Shaanxi Co., Ltd.* is the legal entity of the *National Quality Inspection and Testing Center of Building and Sanitary Ceramics*, and undertakes the legal responsibility of this report.

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Product 产品名称	SINTERED STONE 岩板	Nominal Size 名义尺寸	1600mm×3200mm×20mm
		Work Size 工作尺寸	1600mm×3200mm×20mm
Client 受检单位	FOSHAN NEWPEARL TRADE CO., LTD. 佛山市新明珠贸易有限公司	Client Address 受检单位地址	No.9 Huizhan 1st Road, Huaxia Ceramic Expo City, Dangdilan Area, Beside Longjin Highway, Nanzhuang Town, Chancheng District, Foshan City, Guangdong Province, P.R.China 广东省佛山市禅城区南庄镇龙津公路侧“内底盟”地段华夏陶瓷博览城会展一路9号
Manufacturer 生产单位	Foshan Sanshui Newpearl Building Ceramics Industrial Co., Ltd 佛山市三水新明珠建陶工业有限公司	Manufacturer Address 生产单位地址	Central Industrial Development Zone, Baini Town, Sanshui District, Foshan City, Guangdong Province, P.R. China 广东省佛山市三水区白坭镇中部工业开发区
Test Standard 检测依据	ISO 13006:2018 GB 6566-2010 DIN 51097:1992 HJ 297-2021 Refer to/ 参照 JC/T 872-2019	Determination Standard 判定依据	ISO 13006:2018 GB 6566-2010 DIN 51097:1992 HJ 297-2021
Trade Mark 商 标	NEWPEARL/新明珠岩板	Test Type 检测类别	Sampling 抽样检测
Classification 产品类别	B I a		
Sampler 抽 样 人	Ma Zhuan E, Zhang Bo 马转娥、张波	Sampling Date 抽样日期	2022.12.25
Sampling Base 抽样基数	4500 boxes/箱	Sampling Site 抽样地点	Storehouse 仓库
Sample Quantities 样品数量	21 pieces/块	Test Item 检测项目	See page 2 & 3 见第2、3页
Production Date / 生产日期/生产批号	2022.12	Test Site 检测场所	Site 1, Site 2 / 场所 1、场所 2
Receive Date 到样日期	2023.01.06	Test Date 检测日期	2023.01.18~2023.03.21
Sample Description 样品描述	Glazed and even surface 有釉、平整		
Test Conclusion 检测结论	According to standard of Annex G of ISO 13006:2018 Ceramic tiles-Definitions, classification, characteristics and marking, test 17 properties of the product. The result testifies that 17 properties of the product reaches the requirements of the standard. / 抽样产品按照 ISO 13006:2018《陶瓷砖 定义、分类、性能和标记》标准附录 G 检测长度等十七项指标。经检测, 该产品十七项指标均符合标准要求。 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》标准进行检测。经检测, 该产品为 A 类装饰装修材料, 产销与使用范围不受限制。 According to standard of DIN 51097:1992 Testing of floor coverings; determination of the anti-slip properties; wet-loaded barefoot areas; walking method; ramp test test. The test results on page 3. / 抽样产品按照 DIN 51097:1992《地板铺面材料的试验; 防滑性能的测定; 湿负荷的赤足区域; 踩踏法; 斜坡面试验》标准进行检测。检测结果见第 3 页。 According to standard of HJ 297-2021 Technical requirement for environmental labeling products-ceramic tiles (board), test 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 297-2021《环境标志产品技术要求 陶瓷砖(板)》标准检测可溶性铅含量和可溶性镉含量两项指标。经检测, 该产品两项指标均符合标准要求。 Refer to standard of JC/T 872-2019 Glass-ceramics for building decoration, test scratch hardness of surface according to mohs. The test results on page 3. / 抽样产品参照 JC/T 872-2019《建筑装饰用微晶玻璃》标准检测莫氏硬度指标。检测结果见第 3 页。		
Notes 备注	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。 Site 2/场所 1: Site 2: No.3, Enterprise Road, Xixian Avenue, Fengdong New Town, Xixian New Area, Shaanxi, China. / 陕西省西咸新区沣东新城西咸大道企业路 3 号。 Items 20 and 21 were tested at site 2, and the rest were tested at site 1. / 第 20、21 项在场所 2 检测, 其余在场所 1 检测。 Detection limit of lead release (mg/dm²): 0.003, detection limit of cadmium release (mg/dm²): 0.001. / 铅溶出量 (Pb) 检出限 (mg/dm²): 0.003、镉溶出量 (Cd) 检出限 (mg/dm²): 0.001。 Detection limit of content of resolvable Pb (mg/kg): 0.03, detection limit of content of resolvable Cd (mg/kg): 0.01. / 可溶性铅 (Pb) 检出限 (mg/kg): 0.03、可溶性镉 (Cd) 检出限 (mg/kg): 0.01。 The product is not applicable to JC/T 872-2019 as it does not belong to Glass-ceramics for building decoration. The test data are for reference only. / 该产品不属于建筑装饰用微晶玻璃, 不适用于 JC/T 872-2019, 检测数据仅供参考。		

批准 / Approver:

审核 / Auditor:

主检 / Main-Inspector:

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No. 序号	Properties 项目名称	Test 检测方法	Requirements 技术要求	Result 检测结果	Determinant 判 定
1	Length / 长度	ISO 10545-2:2018	$\pm 0.3\%, \pm 1.0 \text{ mm}$ $n=10, Ac=0, Re=2$	0.00% -0.02 mm ~ +0.07 mm d=0	Pass / 合格
2	Width / 宽度	ISO 10545-2:2018	$\pm 0.3\%, \pm 1.0 \text{ mm}$ $n=10, Ac=0, Re=2$	0.00% ~ +0.01% +0.03 mm ~ +0.17 mm d=0	Pass / 合格
3	Thickness deviation / 厚度	ISO 10545-2:2018	$\pm 5\%, \pm 0.5 \text{ mm}$ $n=10, Ac=0, Re=2$	+2.05% ~ +2.45% +0.41 mm ~ +0.49 mm d=0	Pass / 合格
4	Surface quality / 表面质量	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 至少砖的 95% 的主要区域无明显缺陷	No visible defects 无明显缺陷	Pass / 合格
5	Water absorption / 吸水率(%)	ISO 10545-3:2018	Average/平均值: $E_v \leq 0.5$ Individual/单个值: $E_v \leq 0.6$ $n=5, Ac=0, Re=2$	Average/平均值: 0.03 Individual/单个值: 0.02 ~ 0.04 d=0	Pass / 合格
6	Breaking strength / 破坏强度(N) ¹⁾	ISO 10545-4:2019	Thickness/厚度 $\geq 7.5 \text{ mm}$, ≥ 1300 Thickness/厚度 $< 7.5 \text{ mm}$, ≥ 700	Average/平均值: 12828	Pass / 合格
7	Modulus of rupture / 断裂模数(MPa) ¹⁾	ISO 10545-4:2019	Average/平均值: ≥ 35 Individual/单个值: ≥ 32	Average/平均值: 46 Minimum/最小值: 44	—— ²⁾
8	Abrasion resistance / 耐磨性	ISO 10545-7:2014	Report the result of test 报告检测结果	4 Class (2100 cycles)	
9	Thermal shock resistance / 抗热震性	ISO 10545-9:2013	Report number of visible defects 报告可见缺陷数	No visible defect 无可见缺陷	
10	Crazing resistance / 抗釉裂性	ISO 10545-11:1994	No crazing on glazed surface 无釉裂 $n=5, Ac=0, Re=2$	No crazing 无釉裂 d=0	Pass / 合格
11	Frost resistance / 抗冻性	ISO 10545-12:1994	No crazing or peeling 经试验无裂纹或剥落 $n=10, Ac=0, Re=1$	No crazing and peeling 无裂纹和剥落 d=0	Pass / 合格
12	Moisture expansion / 湿膨胀(mm/m)	ISO 10545-10:1995	Report the result of test 报告检测结果	0.04	

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No. 序号	Properties 项目名称	Test 检测方法	Requirements 技术要求	Result 检测结果	Determinant 判定
13	Impact resistance / 抗冲击性	ISO 10545-5:1996	Report the result of test 报告平均恢复系数	0.80	
14	Resistance to staining / 耐污染性	ISO 10545-14:2015	Minimum 3 Class/最低 3 级 n=5, Ac=0, Re=2	5 Class/级 d=0	Pass / 合格
15	Resistance to chemicals (Class) / 耐化学腐蚀性 (级)	ISO 10545-13:2016	Low concentration acids & alkalis / 耐低浓度酸和碱	LA	
	High concentration acids & alkalis / 耐高浓度酸和碱		HA, HB, HC	HA	
	Household chemicals and swimming pool salts / 耐家庭化学试剂和游泳池盐类		Minimum/不低于 B n=5, Ac=0, Re=2	A d=0	Pass / 合格
16	Lead and cadmium release / 铅镉溶出量 (mg/dm ²)	ISO 10545-15:1995	Report the result of test 报告检测结果	Lead release: 0.008 Cadmium release: <0.001	
17	Coefficient of linear thermal expansion / 线性热膨胀系数	ISO 10545-8:2014	Report the result of test 报告线性热膨胀系数	$\alpha_1 = 2.79 \times 10^{-6}/^{\circ}\text{C}$ $\alpha_2 = 2.82 \times 10^{-6}/^{\circ}\text{C}$	
18	Limit of Radionuclides / 放射性核素限量	Item 4 of GB 6566-2010 GB 6566-2010 之 4	A Class/类: $I_{Ra} \leq 1.0, I_r \leq 1.3$ B Class/类: $I_{Ra} \leq 1.3, I_r \leq 1.9$ C Class/类: $I_r \leq 2.8$	$I_{Ra}=0.5$ $I_r=0.8$	A Class / 类
19	Anti-slip properties / 防滑性	DIN 51097:1992	A Group/级: $\geq 12^{\circ}$ B Group/级: $\geq 18^{\circ}$ C Group/级: $\geq 24^{\circ}$	14.2 $^{\circ}$	A Group / 级
20	Content of resolvable Pb / 可溶性铅含量	HJ 297-2021 之 6.2	$\leq 15 \text{ mg/kg}$	$< 0.03 \text{ mg/kg}$	Pass / 合格
21	Content of resolvable Cd / 可溶性镉含量	HJ 297-2021 之 6.2	$\leq 2 \text{ mg/kg}$	$< 0.01 \text{ mg/kg}$	Pass / 合格
22	Scratch hardness of surface according to mohs / 莫氏硬度	JG/T 463-2014 附录 C	≥ 5 级	5 级	—— ³⁾
Note 备注	1) The product is cut to 600mm×300mm for this test. / 该产品切割为 600mm×300mm 进行此项检测。 2) The property does not apply because that the breaking strength $\geq 3000 \text{ N}$, so the test data are for reference only. / 该产品破坏强度 $\geq 3000 \text{ N}$, 此项指标不适用, 检测数据仅供参考。 3) The product is not applicable to JC/T 872-2019 as it does not belong to Glass-ceramics for building decoration. The test data are for reference only. / 该产品不属于建筑装饰用微晶玻璃, 不适用于 JC/T 872-2019, 检测数据仅供参考。				

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主要试验仪器设备清单

List of main test instruments and equipment

序号 No.	名称 Designation	编号 Number	校准有效期至 Calibration To	本次使用 The Use (√)
1	数显综合变形仪 Digital Display Integrated Deformometer	S1-007	2023.11.10	
2	钢直尺 Steel Gauge	S3-007-1	2023.05.05	
3	游标卡尺 Vernier Caliper	S3-030	2023.08.08	
4	游标卡尺 Vernier Caliper	S3-034	2023.08.08	
5	软性游标卡尺 Flexible Vernier Caliper	S3-076	2024.02.14	√
6	陶瓷吸水率真空装置 Ceramic Tile Water Absorption Vacuum Device	S1-002	2023.06.30	√
7	电子天平 Electronic Scales	S2-001	2023.08.08	√
8	数显陶瓷砖抗折试验机 Digital Display Testing Machine of Flexure Resistance for Ceramic Tiles	S1-005	2023.08.08	
9	数显陶瓷砖抗折试验机 Digital Display Testing Machine of Flexure Resistance for Ceramic Tiles	S1-006	2023.08.08	√
10	有釉砖耐磨试验机 Testing Machine Determination of Resistance to Surface Abrasion for Glazed Ceramic Tiles	S1-080	2023.08.09	√
11	无釉砖耐磨试验机 Testing Machine Determination of Resistance to Surface Abrasion for Unglazed Ceramic Tiles	S1-081	2023.08.09	
12	抗热震性试验机 Testing Machine of Thermal Shock Resistance	S1-011	2023.05.05	√
13	陶瓷砖釉面抗龟裂蒸压釜 The Steamer of Testing Crazing Resistance for Glazed Ceramic Tiles	S1-008	2023.06.30	
14	陶瓷砖釉面抗龟裂蒸压釜 Testing Machine Crazing Resistance for Glazed Ceramic Tiles	S1-009	2023.06.30	√
15	高温节能箱式电炉 High Temperature Energy-saving Box Type Electric Furnace	S1-070	2023.08.08	√
16	非金属材料全自动冻融试验机 Automatic Freeze Thaw Nonmetal Material Testing Machine	S1-003	2023.12.10	√
17	非金属材料全自动冻融试验机 Automatic Freeze Thaw Nonmetal Material Testing Machine	S1-004	2023.08.08	
18	摆式摩擦系数测定仪 BaiShi MoCa XiShu CeDing Yi	S1-010	2023.09.04	
19	静摩擦系数测定仪 Statical Friction Coefficient Testing Machine	S1-014	2023.12.06	
20	光泽度仪 Glossiness Tester	S2-011	2023.06.05	
21	吸湿膨胀仪 Moisture Expansion Tester	S1-016	2023.10.21	√
22	陶瓷砖抗冲击性测定仪 Testing Machine for Impact Resistance of Ceramic Tiles	S1-012	2023.08.18	√
23	生化培养箱 Biochemical Incubator	S1-061	2023.08.08	√
24	原子吸收分光光度计 Atomic Absorption Spectrophotometer	S2-025	2023.09.04	√
25	热水清洗仪 Hot Water Cleaning Apparatus	S1-068	2023.08.08	√
26	热膨胀系数测定仪 Heat Expansion Coefficient Tester	S1-013	2023.11.10	√
27	建材放射性检测仪 Radioactive Detector Forbuilding Materials	S2-029-2	2023.04.15	√
28	陶瓷砖防滑性能试验机 Testing Machine of Anti-slip Property for Ceramic Tile	S1-015	2023.05.05	√
29	电感耦合等离子体质谱仪 Inductively Coupled Plasma-mass Spectrometry (ICP-MS)	S2-079	2024.02.28	√

(Nothing below/以下无内容)