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检 测 报 告
TEST REPORT

报 告 编 号:
REPORT NO. : 25202102194

样 品 名 称:
NAME OF SAMPLE: 釉面砖 GLAZED TILES

委 托 单 位:
APPLICANT: 佛山市都盛陶瓷有限公司 FOSHAN DOSUNTILES CO., LTD

检 验 日 期:
DATE OF TEST: 25/05/2021 – 03/06/2021 (dd/mm/yy)

国 家 建 筑 卫 生 陶 瓷 检 测 重 点 实 验 室
STATE KEY TESTING LABORATORY OF BUILDING CERAMICS AND SANITARY WARE
佛 山 海 关 综 合 技 术 中 心
COMPREHENSIVE TECHNOLOGY CENTRE OF FOSHAN CUSTOMS

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样品名称 Name of sample	釉面砖 GLAZED TILES	名义尺寸 Nominal size (N)	1200mm×600mm
表面特性 Nature of the surface	有釉砖 Glazed (GL)	工作尺寸 Work size (Sw)	1200mm×600mm×10.6mm
类别 Group	BⅠa类，磨边砖 Group BⅠa, rectified tiles	样品描述 Description of Samples	样品完好,适合测试 The samples are sound, intact and fit for test.
样品标记 Mark of samples	批次号 Batch No.:202104	样品数量 Quantity of samples	30 块 30 Pieces
委托单位 Applicant	佛山市都盛陶瓷有限公司 FOSHAN DOSUNTILES CO., LTD	委托单位地址 Address of applicant	佛山市禅城区季华四路上北综合楼第 3-10 号铺 SHOP NO.3-10, SHANGBEI COMPLEX BUILDING
委托单位电话 Telephone of applicant	86-757-89918999	委托单位传真 Fax of Applicant	—
样品来源 Source of Samples	委托单位自送样品 Samples selected by applicant	接样日期 Received on	25/05/2021
检验依据 Test Standard	ISO 13006:2018 *Ceramic tiles – Definitions, classification, characteristics and marking* Annex G Dry-pressed ceramic tiles with low water absorption $E_v \leq 0{,}5$ % Group BⅠa		
检验结论 Conclusion of Test	样品经检验,所检验项目的检验结果符合 ISO 13006:2018 标准中附录 G 的规定。 The results conform to the requirement of Annex G of standard ISO 13006:2018 with respect to the test items.		
检验单位盖章 Stamp of Test Unit	日期：07/06/2021 Date:	检验单位联系方式 Address of Test Unit	地址：广东省佛山市禅城区魁奇一路澜石（国际）金属交易中心十八座二楼 Address： 2/F, Building 18, Lanshi International Metal Exchange Center, Kuiqiyi Road, Chancheng District, Foshan, Guangdong, China (528000) 电话（Tel）：86-757-83960558 86-757-83827991 传真（Fax）：86-757-83827971
声明 Notes	1、我们已尽所知所能实施上述检验，不能因签发本报告而免除有关各方根据合同和法律所承担的责任和义务； All inspections are carried out conscientiously to the best of our knowledge and ability. This report does not in any respect absolve the other related parties from his contractual and legal obligations. 2、未经本实验室书面许可，不得部分复制本报告； This report shall not be reproduced, except in full, without the prior written approval from the issuing laboratory. 3、本报告仅是样品的检测结果。 The results in this report apply to the samples only. 4、本报告所述的样品信息为委托单位自行声明，实验室不负责其真实性。 The sample information are declared by applicant，and laboratory is not responsible for the authenticity.		

检验 Tested by _____ 审核 Inspected by _____ 批准 Approved by _____

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COMPREHENSIVE TECHNOLOGY CENTRE OF FOSHAN CUSTOMS

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样品照片
Photo of Samples





ISO 13006:2018 *Ceramic tiles – Definitions, classification, characteristics and marking*

条款 Clause	性能 Properties	检验方法 Test Method	要求 Requirements	检验结果 Results	判定 Verdicts
附录 G 表 G.1 Annex G Table G.1	**尺寸和表面质量** **Dimensions and surface quality**				
	长度 **Length** 每块砖的平均尺寸相对于工作尺寸的允许偏差 The deviation,of the average size for each tile (2 sides) from the work size	ISO10545-2:2018	±0.3%	-0.06%~-0.05%	P
			±1.0mm	-0.8mm~-0.6mm	P
	宽度 **Width** 每块砖的平均尺寸相对于工作尺寸的允许偏差 The deviation,of the average size for each tile (2 sides) from the work size	ISO10545-2:2018	±0.3%	+0.01%~+0.02%	P
			±1.0mm	0~+0.1mm	P
	厚度 **Thickness** 每块砖厚度的平均值相对于工作尺寸的最大允许偏差 The deviation of the average thickness of each tile from the work size thickness	ISO10545-2:2018	±5%	-2.8%~-2.3%	P
			±0.5mm	-0.3mm ~-0.2mm	P
	边直度 **Straightness of sides** 相对于工作尺寸的最大允许偏差 The maximum deviation from straightness related to the corresponding work sizes				
	长度 length	ISO10545-2:2018	±0.3%	0~+0.01%	P
			±0.8mm	+0.1mm	P
	宽度 Width	ISO10545-2:2018	±0.3%	-0.02%~-0.01%	P
			±0.8mm	-0.1mm	P
	直角度 **Rectangularity** 相对于工作尺寸的最大允许偏差 The maximum deviation from Rectangularity related to the corresponding work sizes				
	长度 length	ISO10545-2:2018	±0.3%	+0.02%~+0.03%	P
			±1.5mm	+0.2mm~+0.4mm	P
	宽度 Width	ISO10545-2:2018	±0.3%	-0.05%~-0.02%	P
			±1.5mm	-0.3mm ~-0.1mm	P
	表面平整度: 最大允许偏差 **Surface flatness**: The maximum deviation from flatness				
	a)对于由工作尺寸计算的对角线的中心弯曲度 a) centre curvature, related to diagonal calculated from the work size;	ISO10545-2:2018	±0.4%	+0.02%~+0.03%	P
			±1.8mm	+0.3mm~+0.4mm	P

ISO 13006:2018 *Ceramic tiles – Definitions, classification, characteristics and marking*

条款 Clause	性能 Properties	检验方法 Test Method	要求 Requirements	检验结果 Results	判定 Verdicts
附录 G 表 G.1 Annex G Table G.1	b)对于由工作尺寸计算的边弯曲度 b) edge curvature, related to the corresponding work sizes;				
	长度 length	ISO10545-2:2018	±0.4%	+0.01%~+0.02%	P
			±1.8mm	+0.1mm ~+0.3mm	P
	宽度 Width	ISO10545-2:2018	±0.4%	-0.03%~-0.02%	P
			±1.8mm	-0.2mm ~-0.1mm	P
	c)对于由于工作尺寸计算的对角线的翘曲度 c) warpage, related to diagonal calculated from the work size.	ISO10545-2:2018	±0.4%	-0.02%~+0.03%	P
			±1.8mm	-0.2mm~+0.3mm	P
	表面质量 **Surface quality**	ISO10545-2:2018	至少有 95%的砖其主要区域无明显缺陷 A minimum of 95% of the tiles shall be free from visible defects inspected vertically at 1.0m.	100%	P
	物理性能 **Physical properties**				
	吸水率 质量分数 **Water absorption** Percent mass fraction	ISO 10545-3:2018	E_v≤0.5%	0.04%	P
			单个值不大于 0.6% Individual maximum 0.6%	0.03%~0.06%	P
	破坏强度/N **Breaking strength, in N**	ISO 10545-4:2019	≥1300	3978	P
	断裂模数/(N/mm²) **Modulus of rupture, in N/mm²** 不适用于破坏强度≥ 3000N 的陶瓷砖 Not applicable to tiles with breaking strength ≥ 3000N	ISO 10545-4:2019	平均值≥35 Minimum 35	—	N/A
			单个值≥32 Individual minimum 32	—	N/A
	抗冲击：恢复系数 **Impact resistance:** Coefficient of restitution (COR)	ISO 10545-5: 1996/Cor.1:1997	报告检验结果 Test method available	0.87	—
	耐磨性 **Abrasion resistance** 用于地面的有釉砖的表面耐磨性 Resistance to surface abrasion of glazed tiles intended for use on floors	ISO 10545-7:1996	报告耐磨级别 Report abrasion class	4 级 Class 4	—
			报告耐磨转数 Report cycles passed	2100	—
	线性热膨胀系数：室温~100℃ **Coefficient of linear thermal expansion:** from ambient temperature to 100℃	ISO 10545-8:2014	报告检验结果 Test method available	$6.5\times10^{-6}℃^{-1}$	—
	抗热震性 **Thermal shock resistance**	ISO 10545-9:2013	报告检验结果 Test method available	样品经试验，无炸裂或裂纹 Fully resistance	—

ISO 13006:2018 *Ceramic tiles – Definitions, classification, characteristics and marking*

条款 Clause	性能 Properties	检验方法 Test Method	要求 Requirements	检验结果 Results	判定 Verdicts
附录 G 表 G.1 Annex G Table G.1	**湿膨胀/(mm/m)** **Moisture expansion, in mm/m**	ISO 10545-10:1995	报告检验结果 Test method available	<0.06	—
	抗釉裂性：有釉砖 **Crazing resistance**: glazed tiles	ISO 10545-11:1994	应通过此项测试 Required	样品经试验，无裂纹或剥落 Fully resistance	P
	抗冻性 **Frost resistance**	ISO 10545-12: 1995/Cor1:1997	应通过此项测试 Required	所有样品无裂纹或破损 Fully resistance	P
	化学性能 **Chemical properties**				
	耐污染性 **Resistance to staining**				
	a)轻油中的铬绿 a) Green staining agent in light oil	ISO 10545-14:2015	不低于 3 级 Minimum Class 3	5 级 Class 5	P
	b)轻油中的红色污染物 b) Red staining agent in light oil	ISO 10545-14:2015	不低于 3 级 Minimum Class 3	5 级 Class 5	P
	c) 13g/L 碘酒液 c) Iodine, 13g/L solution in alcohol	ISO 10545-14:2015	不低于 3 级 Minimum Class 3	5 级 Class 5	P
	d)橄榄油 d) Olive oil	ISO 10545-14:2015	不低于 3 级 Minimum Class 3	5 级 Class 5	P
	耐化学腐蚀性 **Resistance to chemicals**				
	耐家庭化学试剂和游泳池盐类 Resistance to household chemicals and swimming pool salts				
	a) 家庭化学试剂：氯化铵溶液，100g/L a) Household chemicals: Ammonium chloride, 100g/L	ISO 10545-13:2016	不低于 B Minimum B	A	P
	b) 游泳池盐类：次氯酸钠溶液，20mg/L b) Swimming pool salts: Sodium hypochlorite solution, 20mg/L	ISO 10545-13:2016	不低于 B Minimum B	A	P
	耐低浓度酸和碱 Resistance to low concentrations of acids and alkalis				
	a) 3%盐酸溶液(v/v) a) Hydrochloric acid solution, 3% (v/v)	ISO 10545-13:2016	制造商应声明等级 Manufacturer to state classification	LA	—
	b) 柠檬酸溶液，100g/L b) Citric acid solution, 100g/L	ISO 10545-13:2016	制造商应声明等级 Manufacturer to state classification	LA	—
	c) 氢氧化钾溶液，30g/L c) Potassium hydroxide, 30g/L	ISO 10545-13:2016	制造商应声明等级 Manufacturer to state classification	LB	—
	耐高浓度酸和碱 Resistance to high concentrations of acids and alkalis				
	a) 18%盐酸溶液(v/v) a) Hydrochloric acid solution, 18% (v/v)	ISO 10545-13:2016	报告检验结果 Test method available	HB	—
	b) 5 %乳酸溶液(v/v) b) Lactic acid, 5 % (v/v)	ISO 10545-13:2016	报告检验结果 Test method available	HB	—
	c) 氢氧化钾溶液，100g/L c) Potassium hydroxide, 100g/L	ISO 10545-13:2016	报告检验结果 Test method available	HB	—

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条款 Clause	性能 Properties	检验方法 Test Method	要求 Requirements	检验结果 Results	判定 Verdicts
附录 G 表 G.1 Annex G Table G.1	**铅镉溶出量 Lead and Cadmium release**				
	a)铅溶出量/(mg/dm^2) a) Lead release, in mg/dm^2	ISO 10545-15:1995	报告检验结果 Test method available	＜0.02	—
	b)镉溶出量/(mg/dm^2) b) Cadmium release, in mg/dm^2	ISO 10545-15:1995	报告检验结果 Test method available	＜0.003	—

用语说明 Possible test case verdicts
1. P(ass)：合格 *Test item does meet the requirement.*
2. F(ail)：不合格 *Test item does not meet the requirement.*
3. —：未进行判定 *Verdict was not carried out.*
4. N/A：不适用 *Test case does not apply to the test item.*

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报告结束 End of Test Report