











TEST REPORT

REPORT NO. :	25202203199	
NAME OF SAMPLE:	GLAZED PORCELAIN	
APPLICANT: _	MAX GLORY INTERNATIONAL,. LTD	
DATE OF TEST:	05/08/2022 - 20/08/2022 (dd/mm/yy)	

STATE KEY TESTING LABORATORY OF BUILDING CERAMICS AND SANITARY WARE INSPECTION AND QUARANTINE COMPREHENSIVE TECHNOLOGY CENTRE OF FOSHAN ENTRY-EXIT INSPECTION & QUARANTINE BUREAU



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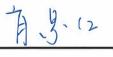
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Name of sample	GLAZED PORCELAIN	GLAZED PORCELAIN Nominal size (N)				
Nature of the surface	Glazed (GL)	Work size (Sw)	600mm×600mm×9.4mm			
Group	Group B I a, rectified tiles	Description of Sample	The samples are sound, intact and fit for test.			
Mark of samples	STONE UNION	Quantity of samples	30 Pieces			
Applicant	MAX GLORY INTERNATIONAL,. LTD	Address of applicant	F12, Bldg 2, Country Garden, No. 129 North Lingnan Ave, Chancheng, Foshan, GD, China			
Telephone of applicant		Fax of applicant	_			
Source of Samples	Samples selected by applicant	Received on	02/08/2022			
Test Standard	hardness according to the Mohs scale 3.DIN 51130:2014 Testing of floor coverings — Determination of the anti-slip property —					
Conclusion of Test	Workrooms and fields of activities with slip danger, walking method – Ramp test 1. The results conform to the requirement of Annex G of standard ISO 13006:2018 with respect to the test items. 2. The test results of scratch hardness of surface according to Mohs and Slip resistance see Page 6.					
Stamp of Test Unit	Date: 22/08/2022 用草	Address: 2/F, Building 18, Lanshi International Metal Exchange Center, Kuiqiyi Road, Chancheng District, Foshan, Guangdong, China (528000) Tel: 86-757-83960558 86-757-83827991 Fax: 86-757-83827971 E-mail: fsiqtc@163.com				
Notes	1.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.This report shall not be reproduced, except in full, without the prior written approval from the issuing laboratory. 3.The results in this report apply to the samples only.					

Tested by ________ Inspected by _____

Approved by _______

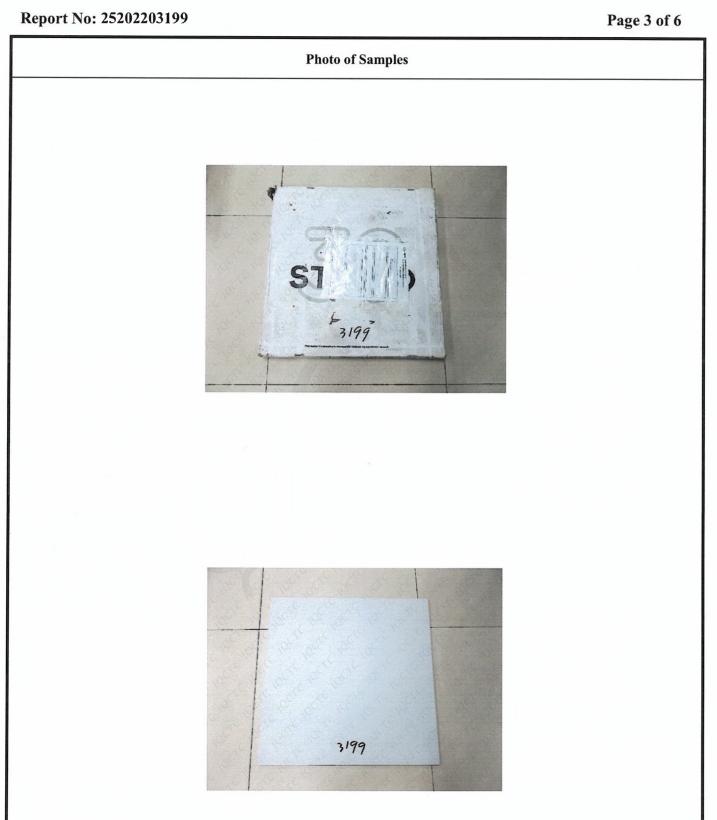


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	ISO 13006:2018 Ceramic ti	les – Definitions, clas	sification, chara	acteristics and m	arking			
Clause	Properties	Test Method	Requirements		Results	Verdicts		
Annex	Dimensions and surface quality							
G Table	Length and Width The deviation,of the average size for each tile (4 sides) from the work size	ISO10545-2:2018	N≥15cm	±0.3%	-0.08%~-0.06%	P		
G.1				±1.0mm	-0.5mm~-0.4mm	P		
	Thickness The deviation of the average thickness of	ISO10545-2:2018	N≥15cm	±5%	-0.6%~+1.2%	P		
	each tile from the work size thickness		1 _ 10 0 11	±0.5mm	0~+0.1mm	P		
	Straightness of sides The maximum deviation from	ISO10545-2:2018	N≥15cm	±0.3%	0~+0.02%	P		
	straightness related to the corresponding work sizes	130100 10 212010	1,_100	±0.8mm	0~+0.1mm	P		
	Rectangularity The maximum deviation from	ISO10545-2:2018	N≥15cm	±0.3%	-0.05%~+0.08%	P		
	Rectangularity related to the corresponding work sizes			±1.5mm	-0.3mm~+0.5mm	P		
	Surface flatness: The maximum deviation from flatness							
	a) centre curvature, related to diagonal calculated from the work size;	ISO10545-2:2018	N≥15cm	±0.4%	+0.03%~+0.04%	P		
				±1.8mm	+0.3mm~+0.4mm	P		
	b) edge curvature, related to the corresponding work sizes;	ISO10545-2:2018	N≥15cm	±0.4%	+0.04%~+0.06%	P		
				±1.8mm	+0.2mm~+0.3mm	P		
	c) warpage, related to diagonal calculated from the work size.	ISO10545-2:2018	N≥15cm	±0.4%	-0.05%~-0.03%	P		
				±1.8mm	-0.4mm~-0.2mm	P		
	Surface quality	ISO10545-2:2018	A minimum of 95% of the tiles shall be free from visible defects inspected vertically at 1.0m.		100%	P		
	Physical properties							
	Water absorption Percent mass fraction	ISO 10545-3:2018	E _b ≤0.5%		0.34%	P		
			Individual maximum 0.6%		0.30%~0.37%	P		
	Breaking strength, in N	ISO 10545-4:2019	≥1300		1728	P		
	Modulus of rupture, in N/mm ² Not applicable to tiles with breaking	ISO 10545-4:2019	Minimum 35		39.9	P		
	strength ≥ 3000N	100 100-0-4.2019	Individual minimum 32		37.3~41.6	P		

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Clause	Properties	Test Method	Requirements	Results	Verdicts		
Annex G Table G1	Impact resistance: Coefficient of restitution (COR)	ISO 10545-5: 1996/Cor.1:1997	Test method available	0.88			
	Abrasion resistance	100 10545 7 1006	Report abrasion class	Class 4	_		
	Resistance to surface abrasion of glazed tiles intended for use on floors	ISO 10545-7:1996	Report cycles passed	6000	_		
	Coefficient of linear thermal expansion: from ambient temperature to 100°C	ISO 10545-8:2014 Test method available		6.0×10 ⁻⁶ °C ⁻¹	_		
	Thermal shock resistance	ISO 10545-9:2013	Test method available	Fully resistance	_		
	Moisture expansion, in mm/m	ISO 10545-10:1995	Test method available	<0.06	·		
	Crazing resistance: glazed tiles	ISO 10545-11:1994	Required	Fully resistance	P		
	Frost resistance	ISO 10545-12: 1995/Cor1:1997	Required	Fully resistance	P		
	Chemical properties						
	Resistance to staining						
	a) Green staining agent in light oil	ISO 10545-14:2015	Minimum Class 3	Class 5	P		
	b) Red staining agent in light oil	ISO 10545-14:2015	Minimum Class 3	Class 5	P		
	c) Iodine, 13g/L solution in alcohol	ISO 10545-14:2015	Minimum Class 3	Class 5	P		
	d) Olive oil	ISO 10545-14:2015	Minimum Class 3	Class 5	P		
	Chemical properties						
	Resistance to chemicals						
	Resistance to household chemicals and swimming pool salts						
	a) Household chemicals: Ammonium chloride, 100g/L	ISO 10545-13:2016	Minimum B	A	P		
	b) Swimming pool salts: Sodium hypochlorite solution, 20mg/L	ISO 10545-13:2016	Minimum B	A	P		
	Resistance to low concentrations of acids and alkalis						
	a) Hydrochloric acid solution, 3% (v/v)	ISO 10545-13:2016	Manufacturer to state classification	LA			
	b) Citric acid solution, 100g/L	ISO 10545-13:2016	Manufacturer to state classification	LA	-		
	c) Potassium hydroxide, 30g/L	ISO 10545-13:2016	Manufacturer to state classification	LA	_		

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ISO 13006:2018 Ceramic tiles - Definitions, classification, characteristics and marking							
Clause	Properties Test Method Requiremen		Requirements	Results	Verdicts		
Annex G	Resistance to high concentrations of acids and alkalis						
Table G.1	a) Hydrochloric acid solution, 18% (v/v)	ISO 10545-13:2016	Test method available	НА	_		
	b) Lactic acid, 5 % (v/v)	ISO 10545-13:2016	Test method available	НА	_		
	c) Potassium hydroxide, 100g/L ISO 10545-13:2016 Te		Test method available	НА	_		

Possible test case verdicts

- 1. P(ass): Test item does meet the requirement.
- 2. F(ail): Test item does not meet the requirement.
- 3. —: Verdict was not carried out.
- 4. N/A: Test case does not apply to the test item.

DIN 51130:2014 Testing of floor coverings – Determination of the anti-slip property – Workrooms and fields of activities with slip danger, walking method – Ramp test

Properties	Method	Results
Slip resistance (Ramp test)	DIN 51130:2014	Mean overall acceptance angle:16.6° Slip resistance assessment group: R10

EN 15771:2010 Vitreous and porcelain enamels - Determination of surface scratch hardness according to the Mohs scale					
Properties	Method	Results			
Scratch hardness of surface according to Mohs	EN 15771:2010	>7			
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报告结束 End of Test Report