

Test Report

Manufacturer	Foshan Shiwan Yulong Ceramic Co., Ltd		
Sample name	Glazed mosaic HX0101	Brand	CAIHUA Brand
Specification	23×23×6 mm	Grade	A
Place of sampling	Our warehouse	Sampling method	Random sampling
Quantity of samples	3 carton (60sheets/ctn)	Date of sampling	April 01, 2015.
Test classification	Regular test	Date of finish	April 15, 2015.
Test basis	GB/T4100-2006 (Addenda G) 《dry pressed ceramic tiles(water absorption≤0.5%)》		
Test result	Accord with the high quality products (Grade A) demands of Standard GB/T4100-2006 (Addenda G) after testing, this test is up to standard		

No.	Test item	Unit	Standard Demands	Test Result	Determination
1	Dimension tolerance	(%)	length ±1.2	-0.04~-0.08	Comply with Chinese Standard GB/T4100-2006 (Addenda G).
		(%)	Width ±1.2	-0.10~-0.07	
2	Straightness	(%)	±0.75	-0.08~-0.16	ditto
3	Rectangularity	(%)	±1.0	-0.15~-0.09	ditto
4	Surface flatness		center curvature ±0.70	-0.09~+0.11	ditto
			warpage ±0.70	-0.10~+0.13	ditto
			edge curvature ±0.70	-0.08~+0.15	ditto
5	Surface quality		More than 95% no visible defects are found on the surface at 0.8metre distance .	up to standard	ditto
6	Water absorption	(%)	average value ≤0.5	0.26	ditto
			unit value ≤0.6	0.25~0.28	ditto
7	Bending strength	N	average value ≥ 700 when thickness < 7.5 mm	725	ditto
8	Breaking strength	Mpa	average value ≥ 35	41	ditto
			unit value ≥ 32	40.2~43.0	ditto
9	Thermal shock resistance		No cracks appear after 10 thermal shock test .	up to standard	ditto
10	Crazing resistance		No cracks appear after crazing resistance test .	up to standard	ditto
11	Chemical resistance		No below grade UB after test	grade UA	ditto
12	Pollution resistance		No below grade 3 after pollution resistance test .	grade 5	ditto
13	Acid-resistance		Sorting after putting into 3% HCL solution for 4 days .	grade GLA	ditto
14	Alkali-resistance		Sorting after putting into 30g/l KOH solution for 4 days .	grade GLA	ditto