



## Test Report

Manufacturer	Eoshan Shiwān Yulong Ceramic Co., Ltd		
Sample name	Unglazed mosaic SHFX23215	Brand	CAIHUA Brand
Specification	23×73×6 mm	Grade	A
Place of sampling	Our warehouse	Sampling method	Random sampling
Quantity of samples	5 carton (100sheets/ctn)	Date of sampling	April 04, 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	-0.15~+0.18	Comply with Chinese Standard GB/T4100-2006 (Addenda G).
		(%)	Width	±1.2	-0.12~+0.10	
2	Straightness	(%)	±0.75		-0.11~+0.18	ditto
3	Rectangularity	(%)	±1.0		-0.13~+0.15	ditto
4	Surface flatness		center curvature	±0.70	-0.06~+0.23	ditto
			warpage	±0.70	-0.10~+0.18	ditto
			edge curvature	±0.70	-0.08~+0.19	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		0.32	ditto
			unit value ≤0.6		0.28-0.34	ditto
7	Bending strength	N	average value ≥ 700 when thickness < 7.5 mm		723	ditto
8	Breaking strength	Mpa	average value ≥ 35		43	ditto
			unit value ≥ 32		41.6-44.0	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