

Test Report

No.: SHHL1706029415BM

Date: JUN. 15, 2017

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CHANGZHOU JINHAI ANTI-STATIC FLOOR CO., LTD
NO.2 XUEHONG ROAD, XUEYAN TOWN, CHANGZHOU CITY, CHINA

The following sample(s) was/were submitted and identified by the client as:

Sample Description	: CONDUCTIVE PVC FLOOR TILE
Style/ Item No.	: XYD / HY
Sample Receiving Date	: JUN. 02, 2017
Testing Period	: JUN. 02, 2017 TO JUN. 15, 2017
Test Performed	: SELECTED TEST(S) AS REQUESTED BY APPLICANT
Test Requested	: 1. RESILIENT AND TEXTILE FLOOR-COVERINGS — DETERMINATION OF SIDE LENGTH, EDGE, STRAIGHTNESS AND SQUARENESS OF TILES (EN ISO 24342:2012) 2. THICKNESS OF RESILIENT FLOORING MATERIALS HAVING FLAT SURFACES (ASTM F386-11) 3. DETERMINING DIMENSIONAL STABILITY OF RESILIENT FLOOR TILE AFTER EXPOSURE TO HEAT(ASTM F 2199-09(2014))
Test Result(s)	: FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S)
Conclusion	: THE TEST DATA WERE PROVIDED TO CLIENT FOR THEIR OWN ANALYSIS.

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.



Yomoro Gu
Authorized Signatory



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SHHL 112680

Test Report

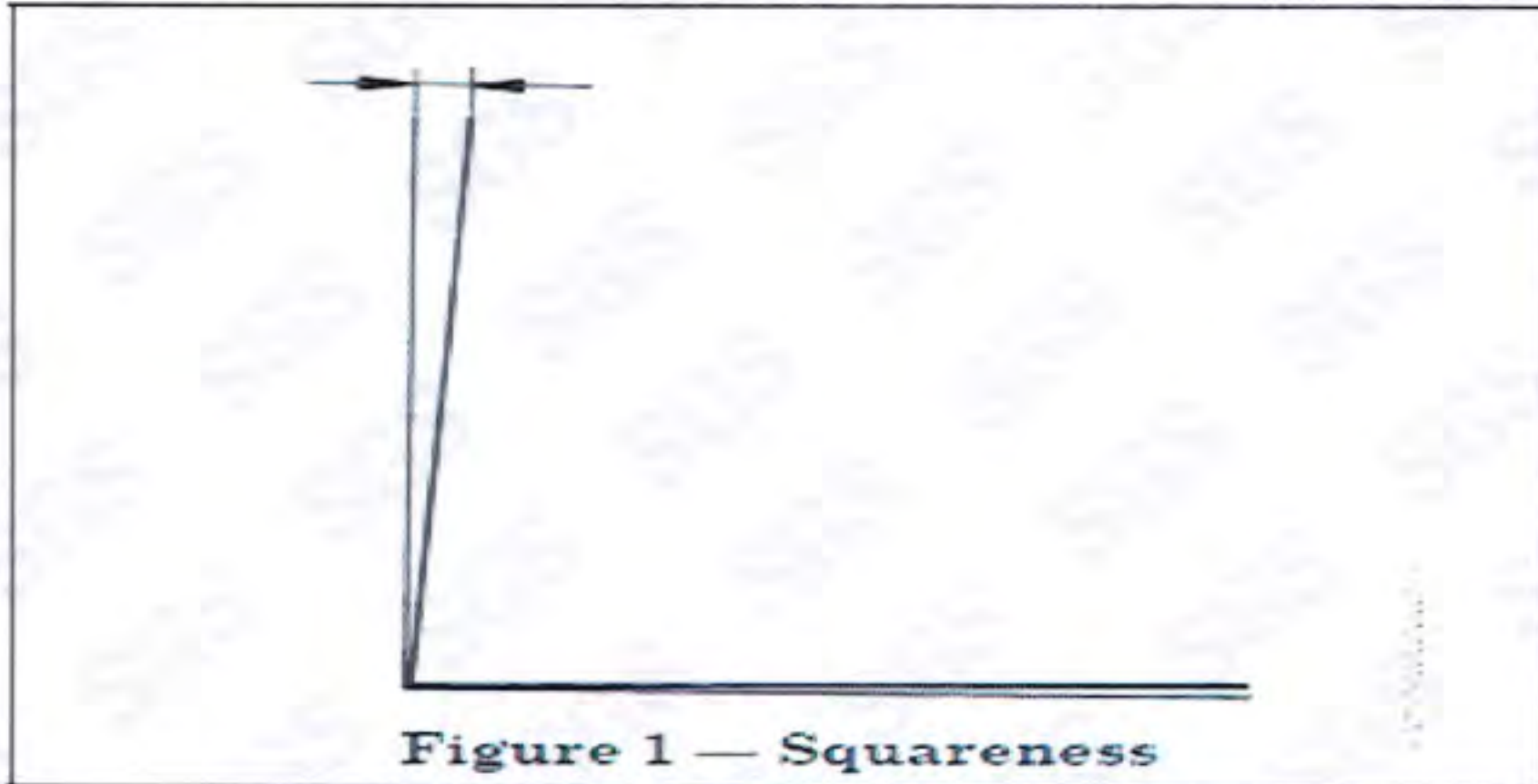
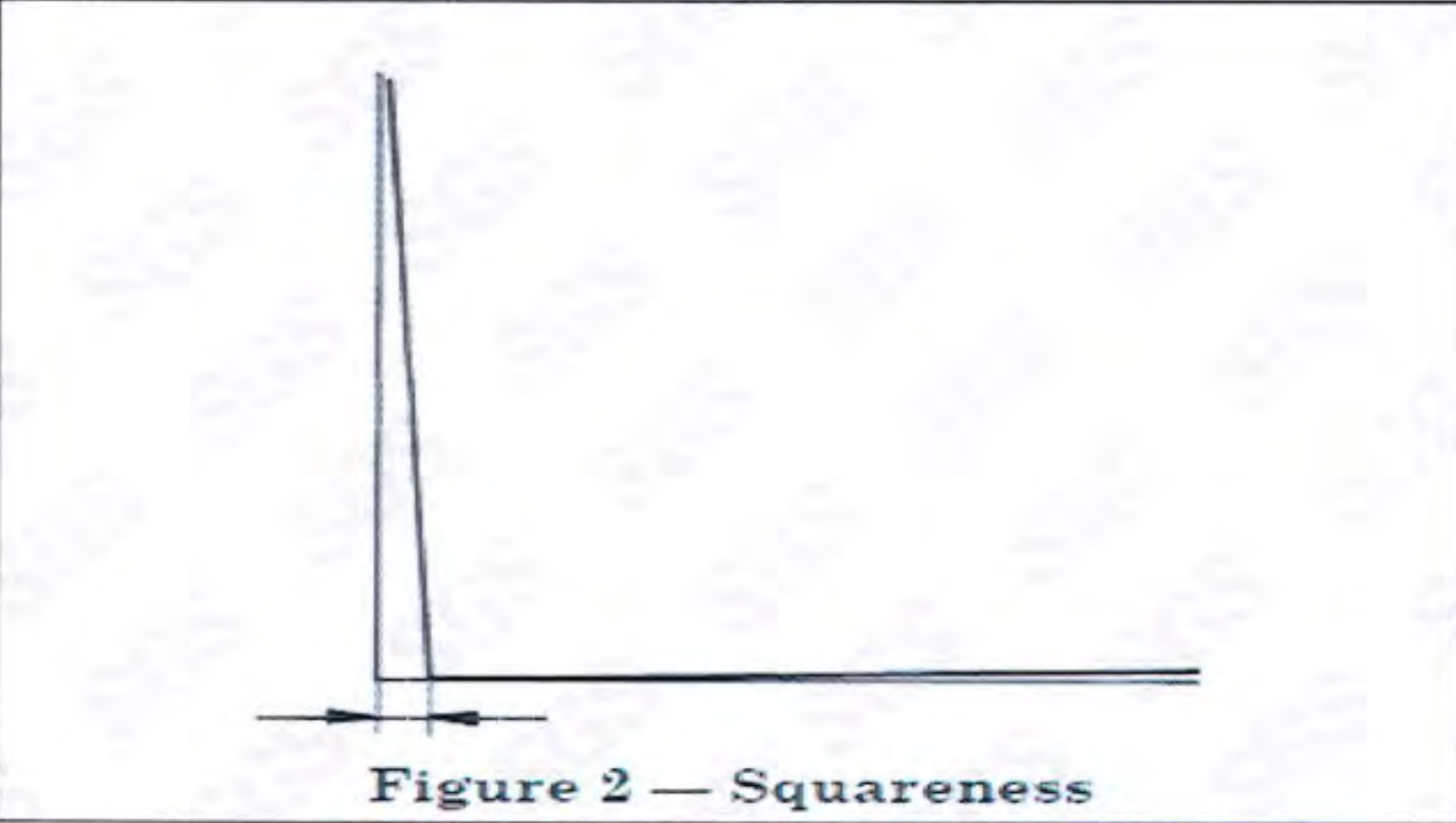
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Test Conducted:

1. Resilient and textile floor-coverings — Determination of side length, edge, straightness and squareness of tiles (EN ISO 24342:2012)
2. Thickness of resilient flooring materials having flat surfaces (ASTM F386-11)
3. Determining dimensional stability of resilient floor tile after exposure to heat (ASTM F 2199-09(2014))

Test Property	Test principles/requirements	Rating/ Result
Determination of the side length, squareness and straightness of tiles	Side Length Place the appropriate reference plate onto the bedplate apparatus. Set the dial indicator to zero. Remove the reference plate. Place the tile on the flat bedplate, with the rigid square plate on top. Take three measurements of the distance between the opposite sides in each direction, two of these measurements approximately 10 mm from the perpendicular edges and the third equidistant from the first two.	Length: 599.7mm Width: 599.7mm Squareness: 0.20mm Straightness: 0mm
	Squareness To measure squareness of floor tiles by thickness gauge, place one edge of the tile against an arm of the square and slide it up to touch the other arm. Then place the rigid plate on top without moving the tile. Determine the thickest gauge, which can be easily inserted between the second arm of the square and the tile at the end of the edge to assess the deviation from the squareness.	
	 Figure 1 — Squareness	
	 Figure 2 — Squareness	



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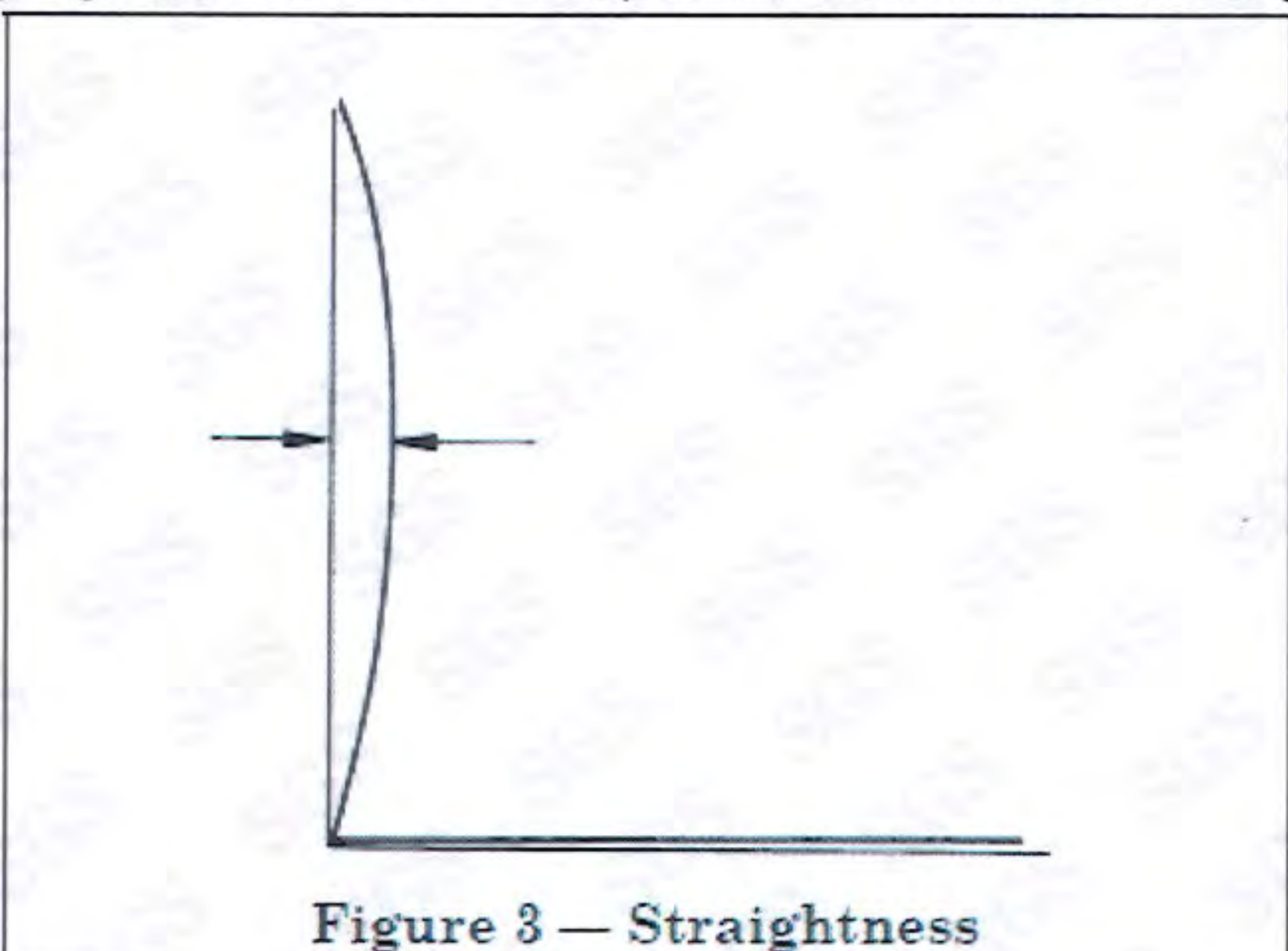
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Test Property	Test principles/requirements	Rating/ Result
	Straightness The straightness of a tile is the largest gap existing at the middle of the edge of the tile (see Figure 2). Measure this largest gap by inserting the dial gauge or the thickness gauge between the "L" shaped steel device and the edge of the tile.  Figure 3 — Straightness	
Thickness of resilient flooring materials having flat surfaces	1. Condition the test specimen at least 24 h at 73±3°F (23±2°C) and 50±5 % relative humidity and test in the same environment. 2. Place the specimen with the wearing surface upward on the comparator stand anvil, taking care that the specimen is flat against the anvil. 3. Lower the presser foot gently until it contacts the surface of the specimen. 4. Upon contact with the surface, take a reading to the nearest 0.001 in. (0.02 mm) from the gage. Take all measurements at least 0.75 in. (19 mm) from any edge of the specimen. 5. Take a total of five measurements on each specimen, at randomly selected locations unless otherwise specified. 6. Report the average thickness of each specimen to the nearest 0.001 in. (0.02 mm).	Average: 2.02mm

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Test Property	Test principles/requirements	Rating/ Result
Determining dimensional stability of resilient floor tile after exposure to heat	- Store the test pieces for 6 ± 0.25 h. in the oven, which had previously been stabilized at $(82 \pm 2) ^\circ\text{C}$. Remove the metal plates bearing the test pieces from the oven. Allow these to cool and recondition at room temperature for at least 24 h., unless otherwise specified for the product. - The calculated linear dimensional change may also be represented as a percentage change as follows: $\text{Linear Change \%} = \left[\frac{(D_f - D_i)}{D_i} \right] \times 100$ where: Df = the average final length, and Di = the average initial length.	Length direction: -0.01% Width direction: -0.01%

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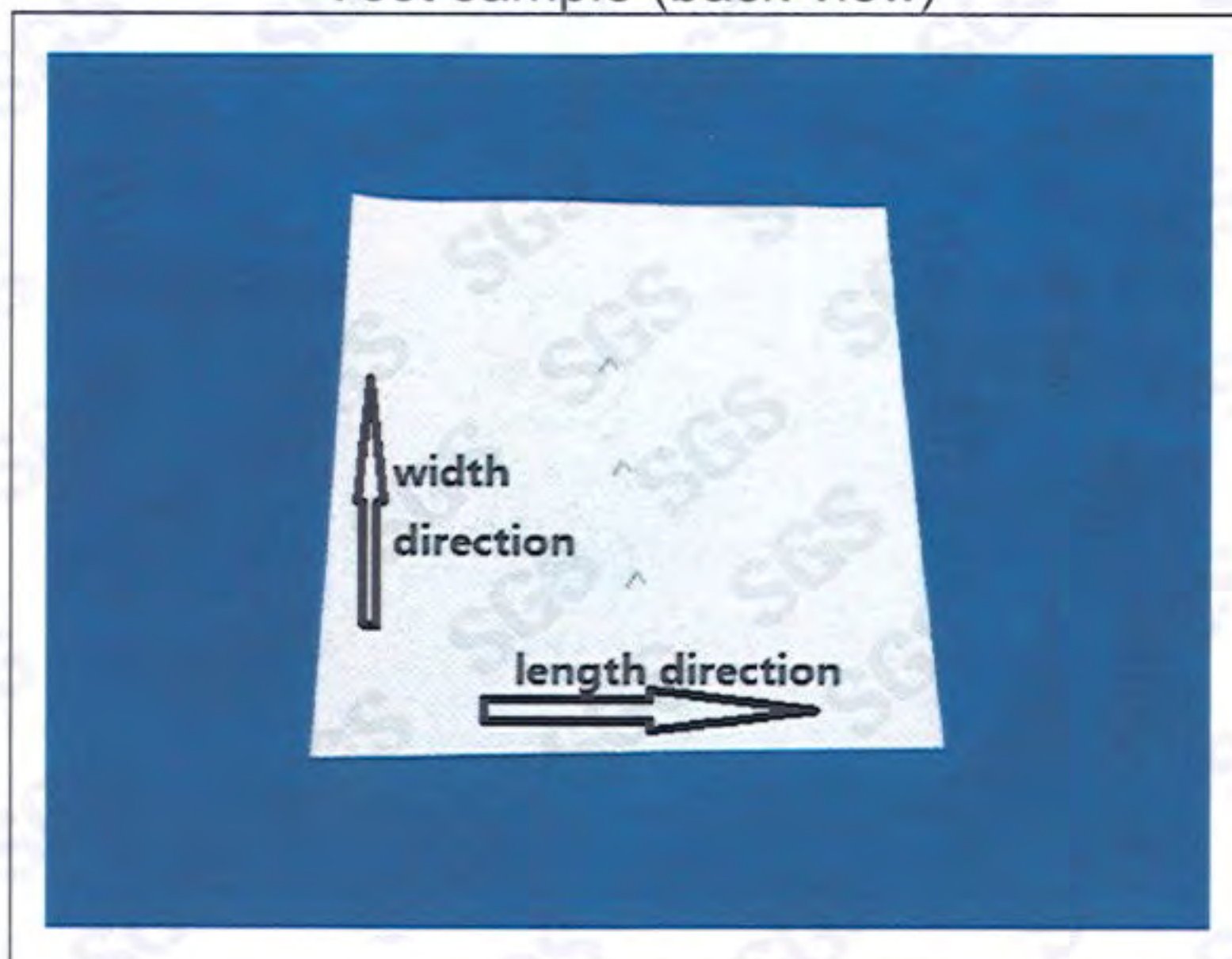
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Sample Photo:

Test sample (front view)



Test sample (back view)



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