

100 Clemson Research Blvd., Anderson, SC USA 29625 P: +1 855-IPA-LABS E: testing@IPALaboratories.com www.IPALaboratories.com

January 8, 2025

MS International Attn: Luis Silva 2095 N Batavia Street Orange, CA 92865 USA

Dear Luis Silva,

International Product Assurance Laboratories has tested the samples you submitted. Test report IPAL-0906-24 is enclosed. If you have any questions or concerns, please contact us.

Best Regards,

INTERNATIONAL PRODUCT ASSURANCE LABORATORIES,

P. J. M. Damill

Damon McDowell Laboratory Supervisor Enclosures

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IPAL TEST REPORT NUMBER: IPAL-0906-24

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TEST REQUESTED BY:

TEST METHOD: <u>ASTM C1027-19: "Standard Test Method for Determining Visible</u> Abrasion Resistance of Glazed Ceramic Tile"

Informal Test Method Description: This test method is designed to measure the resistance of tile surfaces to visible surface abrasion. Certain irregular surfaces may not be evaluated properly by this test method because of wear patterns. The abrasion resistance of tile surfaces is determined by rotation of an abrasive load on the surface and the assessment of the resultant wear by means of visual comparison of the abraded test specimens and non-abraded tiles.

MS International

This summary is provided for the reader's convenience and is not a complete description of the method. See ASTM C1027 for all method details and information.

TEST SUBJECT MATERIAL:	Identified by client as: "Cordova Avorio" Approximate Size as Received: 4" x 4" Product color: Cordova Avorio
TEST DATE:	1/2/25 - 1/7/25

TEST PROCEDURE NOTES:

- Sample prep: None
- A Gabbrielli Abrasimeter ISO was used to abrade the tile.
- 10% Hydrochloric acid was used to remove any metal oxide staining.

TEST RESULTS:

There was no apparent visual difference in gloss or color after $\underline{12000}$ revolutions when viewed in the viewing box by more than one technician. The specimen also passed staining per section 7.3 of the test method.

COMMENTS: None



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ANSI SPECIFICATIONS*:

ANSI standard	Tile Type	Specification
ANSI A 137.1 (Ceramic Tile)	Pressed Floor Tile	No requirement
ANSI A 137.1 (Ceramic Tile)	Porcelain Tile	No requirement
ANSI A 137.1 (Ceramic Tile)	Glazed Wall Tile	No requirement
ANSI A 137.2 (Glass Tile)	All Glass Tile	No requirement

*For more detailed information, refer to ANSI A137.1 Specifications for Ceramic Tile and ANSI A137.2 Specifications for Glass Tile

IMAGE OF PRODUCT TESTED:



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P. J. M. Dunell

1/8/2025

Damon McDowell Laboratory Supervisor

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