

# Universal Laboratory, Inc.

1726 Commerce St.  
Garland, Texas 75040-6710

## Certificate of Completion

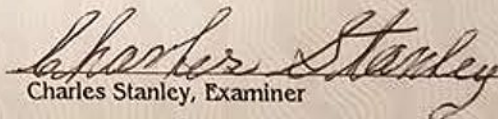
*This is to certify*

**SANTIAGO SANCHEZ**

*has completed successfully* FLAME SPREAD PER ASTM E84-2010

ID: Santiago Tile

*during the year* NOVEMBER, 2015

  
Charles Stanley, Examiner

# Universal Laboratory, Inc.

(972) 272-7337  
Fax: (972) 272-7790

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## TEST REPORT

DATE: 11/30/2015

TEST NO.: 40888

FOR: SANTIAGO SANCHEZ  
709 East Post CT SE  
Cedar Rapids, IOWA 52403

PO# Santiago  
Page 1 of 1  
Contact:  
Santiago Sanchez

**Background:** Santiago Sanchez submitted Santiago Tile panels for Flame Spread Test Per ASTM E84-2010.  
All testing and sample preparation performed by Universal personnel with no outside services required.  
The following information is provided: Log No: 480157 Date: 11/10/2015

**Product Identification:** ID: Santiago Tile 2' X 4' Panels Making 20' For E 84 Testing


<b>Test Results:</b> Material:	Composite
Thickness:	3/8"
Calibration Media	Red Oak/Cement Board
Moisture:	4.7%
Draft Inches:	.15
Leakage Test:	Acceptable
Air Velocity Average Ft/Min:	140
Gas:	Propane
Preheat Temperature:	500°F
Flame Spread Index	NONE
Smoke Generation:	NONE

<b>Observation:</b> Ignition Time:	None
Time to Max:	None
Max Temperature:	560°F
Charring:	Mostly
Dripping:	None

**CONCLUSION:** Meets Class A for Flame Spread of 25 or Less.

Due to the Non Flammability of the make-up of the composite, there was no Flame Index or Smoke Generation.

Note: "We certify that all portions of each test performed were under continuous, direct supervision of this laboratory."

  
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Charles Stanley, Director