

Universal Laboratory, Inc.

1726 Commerce St.
Garland, Texas 75040-6710

Certificate of Completion

This is to certify

SANTIAGO SANCHEZ

has completed successfully SCIENTIFIC EQUIPMENT & FURNITURE ASSOCIATION: SEFA 3-2010

Material: SANTIAGO TILE PANEL

during the year AUGUST, 2015.

Charles Stanley
Charles Stanley, Examiner

Universal Laboratory, Inc.

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

1726 Commerce St.
Garland, Texas 75040-6710

TEST REPORT

Date: 8/26/2015

Test No.: 40787-A

Page 1 of 3

For: SANTIAGO SANCHEZ
709 East Post CT SE
Cedar Rapids, IA 52403

Requested By:
Santiago Sanchez

Background: Santiago Sanchez submitted one (1) Sample ID: Santiago Tile Panel, for testing to SEFA 3-2010, Paragraph 2.1.1.

The following information is being provided.

Order Entry Log Date: 8/17/2015 Log No.: 467337

Test Methods: Scientific Equipment & Furniture Association : SEFA 3-2010,
Section 2.1.1 Chemical/Stain Resistance Test
Procedure: Method A & B

Test Method A: Volatile chemicals tested by placing a saturated cotton ball with the reagent in the mouth of a 1-oz. bottle and inverting the bottle on the surface of the panel and left for 24 hours.

Test Method B: Five drops of non-volatile chemicals of each reagent placed on sample, covered with watch glass, convex side down for a period of 24 hours. After the 24 hour period each reagent was then washed off with water, cleaned with detergent solution and then with isopropyl alcohol, then rinsed with distilled water, dried with a cloth and evaluated.

RATING SCALE: Level 0- No Effect: No Detectable Change in the Material Surface
Level 1- Excellent: Slight Change in Color or Gloss but no change in function or life of the surface
Level 2- Good: A clearly discernible change in color or gloss but no significant impairment of surface life or function
Level 3- Fair: Objectionable change in appearance due to discoloration or etch, possible resulting in deterioration of function over an extended period of time
Surface Finishes: Shall result in no more than 4 Level 3 conditions

Test Results: The test results are provided in the attached data report

CONCLUSION: The Sample ID: Santiago Tile Panel Tested Meets The SEFA 3-2010, Paragraph 2.1.2 Acceptance Level.

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


Charles Stanley

Universal Laboratory, Inc.

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

1726 Commerce St.
Garland, Texas 75040-6710

TEST REPORT

Date: 8/26/2015

Test No.: 40787-A

Page 2 of 3

For: SANTIAGO SANCHEZ

Test Results: Sample ID: Santiago Tile Panel

SEFA 3, Section 2.1.1 Chemical/Stain Resistance Test:

<u>#</u>	<u>CHEMICALS</u>	<u>Test Method</u>	<u>Time In Hours</u>	<u>Rating Scale</u>
1	Amyl Acetone	A	24	Level 0
2	Ethyl Acetate	A	24	Level 0
3	Acetic Acid 98%	B	24	Level 1
4	Acetone	A	24	Level 1
5	Acid Dichromate 5%	B	24	Level 0
6	Butyl Alcohol	A	24	Level 0
7	Ethyl Alcohol	A	24	Level 0
8	Methyl Alcohol	A	24	Level 0
9	Ammonium Hydroxide, 28%	B	24	Level 0
10	Benzene	A	24	Level 3
11	Carbon Tetrachloride	A	24	Level 0
12	Chloroform	A	24	Level 1
13	Chromic Acid 60%	B	24	Level 0
14	Cresol	A	24	Level 0
15	Dichlor Acetic Acid	A	24	Level 1
16	Dimethylformamide	A	24	Level 0
17	Dioxane	A	24	Level 0
18	Ethyl Ether	A	24	Level 0
19	Formaldehyde 37%	A	24	Level 0
20	Formic Acid 90%	B	24	Level 0
21	Furfural	A	24	Level 0
22	Gasoline	A	24	Level 0
23	Hydrochloric Acid, 37%	B	24	Level 0
24	Hydrofluoric Acid 48%	B	24	Level 2
25	Hydrogen Peroxide 30%	B	24	Level 0

Universal Laboratory, Inc.

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

1726 Commerce St.
Garland, Texas 75040-6710

TEST REPORT

Date: 8/26/2015

Test No.: 40787-A
Page 3 of 3

For: SANTIAGO SANCHEZ

Test Results: Sample ID: Santiago Tile Panel
SEFA 3, Section 2.1.1 Chemical/Stain Resistance Test:

<u>#</u>	<u>CHEMICALS</u>	<u>Test Method</u>	<u>Time In Hours</u>	<u>Rating Scale</u>
26	Tincture of Iodine	B	24	Level 0
27	Methyl Ethyl Ketone	A	24	Level 1
28	Methylene Chloride	A	24	Level 1
29	Mono Chlorobenzene	A	24	Level 1
30	Napthalene	A	24	Level 0
31	Nitric Acid, 20%	B	24	Level 0
32	Nitric Acid, 30%	B	24	Level 0
33	Nitric Acid, 70%	B	24	Level 1
34	Phenol 90%	A	24	Level 0
35	Phosphoric Acid, 85%	B	24	Level 0
36	Silver Nitrate, Saturated	B	24	Level 0
37	Sodium Hydroxide, 10%	B	24	Level 0
38	Sodium Hydroxide, 20%	B	24	Level 0
39	Sodium Hydroxide, 40%	B	24	Level 1
40	Sodium Hydroxide, Flake	B	24	Level 1
41	Sodium Sulfide, Saturated	B	24	Level 0
42	Sulfuric Acid, 33%	B	24	Level 0
43	Sulfuric Acid, 77%	B	24	Level 2
44	Sulfuric Acid, 96%	B	24	Level 3
45	Sulfuric Acid 77%, and Nitric Acid 70%, equal parts	B	24	Level 1
46	Toluene	A	24	Level 1
47	Trichlorethylene	A	24	Level 0
48	Xylene	A	24	Level 1
49	Zinc Chloride, Saturated	B	24	Level 0