

Universal Laboratory, Inc.

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

1726 Commerce St
Garland, Texas 75040-6710

TEST REPORT

Date: 7-17-08

Test No.: 36547

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For: Kewaunee Scientific Corporation
2700 W. Front Street
Statesville, NC 28677

Requested By:
David Foote

Background: Kewaunee submitted test panels labeled phenolic for testing to SEFA, paragraph 8.1. Samples received from customer supplied carrier on 7-09-08 in good condition. The following information is being provided.

Order Entry Log Date: 7-17-08 Log # 15725
24" x 24" phenolic

Test Methods: SEFA 8/1998 Paragraph 8.1 Chemical Spot Test on 24 x 24 Samples

Procedure: Chemical Spot Check Test SEFA 8.1-1998, 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.

Test Method B: Five drops of non-volatile chemicals of each reagent placed on sample, covered with watch glass, convex side down. Each Chemical was left for one hour, then washed off with water, cleaned with detergent and naphtha and rinsed with deionized water, dried and evaluated after 24 hours at $73 \pm 3^{\circ}\text{F}$ and $50 \pm 5\%$ relative humidity.

RATING SCALE: Level 0 - No Detectable Change
Level 1 - Slight Change in Color or Gloss
Level 2 - Slight Surface Etching or Severe Staining
Level 3 - Pitting, Cratering, Swelling, Erosion of Coating.
Obvious & Significant Deterioration.

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

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

CONCLUSION: The Sample ID: Phenolic Panels Meet The SEFA 8 Standards Requirements
Per Paragraphs Tested In This Report.


Charles Stanley, Director

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Test Results: SAMPLE ID: PHENOLIC

Chemical Spot Tests:

<u>#</u>	<u>CHEMICALS</u>	<u>Test Method</u>	<u>Time In Hours</u>	<u>Rating Scale</u>
1	Amyl Acetate	A	24	Level 0
2	Ethyl Acetate	A	24	Level 0
3	Acetic Acid 98%	B	24	Level 0
4	Acetone	A	24	Level 0
5	Acid Dichromate 5%	B	24	Level 1
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 0
11	Carbon Tetrachloride	A	24	Level 1
12	Chloroform	A	24	Level 0
13	Chromic Acid 60%	B	24	Level 0
14	Cresol	A	24	Level 0
15	Dichlor Acetic Acid	A	24	Level 0
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 1
24	Hydrofluoric Acid 48%	B	24	Level 1
25	Hydrogen Peroxide 28%	B	24	Level 0
26	Tincture of Iodine	B	24	Level 0
27	Methyl Ethyl Ketone	A	24	Level 0
28	Methylene Chloride	A	24	Level 0
29	Mono Chlorobenzene	A	24	Level 0
30	Napthalene	A	24	Level 1
31	Nitric Acid, 20%	B	24	Level 0
32	Nitric Acid, 30%	B	24	Level 1

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Test Results Continued: Sample ID: PHENOLIC

<u>#</u>	<u>CHEMICALS</u>	<u>Test Method</u>	<u>Time In Hours</u>	<u>Rating Scale</u>
33	Nitric Acid, 70%	B	24	Level 0
34	Phenol 90%	A	24	Level 0
35	Phosphoric Acid, 85%	B	24	Level 1
36	Silver Nitrate, Saturated	B	24	Level 1
37	Sodium Hydroxide, 10%	B	24	Level 0
38	Sodium Hydroxide, 20%	B	24	Level 0
39	Sodium Hydroxide, 40%	B	24	Level 0
40	Sodium Hydroxide, Flake	B	24	Level 0
41	Sodium Sulfide, Saturated	B	24	Level 0
42	Sulfuric Acid, 25%	B	24	Level 0
43	Sulfuric Acid, 85%	B	24	Level 1
44	Sulfuric Acid, 96%	B	24	Level 1
45	Sulfuric Acid 85%, and Nitric Acid 70%, equal parts	B	24	Level 0
46	Toluene	A	24	Level 0
47	Trichlorethylene	A	24	Level 0
48	Xylene	A	24	Level 1
49	Zinc Chloride, Saturated	B	24	Level 0