



SEFA 8.0 CABINET SURFACE FINISH TESTS

Performed for: States Industries
29545 Enid Road East
Eugene, OR 97401

Item Tested C Rift Red Oak Panel

Reference: Scientific Equipment & Furniture Association (SEFA)
Laboratory Furniture Casework, Shelving and Tables Recommended Practices
SEFA 8-W 2007

Section 8.0 Cabinet Surface Finish Tests

Results:

8.1 Chemical Spot Test
See detailed results on attached form.

Four Level 3 conditions permitted, Rating: Pass Fail
with a cumulative score not to exceed 35.

There are zero (0) Level 3 conditions evident and the sum of all ratings is <35 (10)

8.2 Hot Water Test Rating: Pass Fail

The finish shows no visible effect due to the hot water (1025 mL @ 95°C in 5 minutes)

8.3 Impact Test Rating: Pass Fail

There is no visual evidence of any cracks or checks due to impact

8.4 Paint Adhesion on Steel Rating Pass Fail

Not applicable to wood casework

8.5 Paint Hardness on Steel Rating: Pass Fail

Not applicable to wood casework

Tests performed by Dr. Neil M. Ball Title: Environmental Analyst

Neil M. Ball Ph.D. 1-25-10
Signature Date

State of Wisconsin
County of Sheboygan

This document was signed before me on 1-25-10

Jennifer Beemel
Jennifer Beemel – Notary Expires 4-21-2013

CARDINAL

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CHEMICAL RESISTANCE TESTING – 8.1



SEFA 8-W 2007

Date of Test: 1/5/2010	Sample Description: C Rift Red Oak	Type of Material Coated: C Rift Red Oak Veneer	Coating Type: UV
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.			

#	Chemical	Rating	Comments
1	Amyl Acetate	0	
2	Ethyl Acetate	0	
3	Acetic Acid 98%	0	
4	Acetone	0	
5	Acid Dichromate 5%	0	
6	Butyl Alcohol	0	
7	Ethyl Alcohol	0	
8	Methyl Alcohol	0	
9	Ammonia Hydroxide 28%	0	
10	Benzene	0	
11	Carbon Tetrachloride	0	
12	Chloroform	0	
13	Chromic Acid 60%	0	
14	Cresol	0	
15	Dichloroacetic Acid	0	
16	Dimethyl Formamide	0	
17	Dioxane	0	
18	Ethyl Ether	0	
19	Formaldehyde 37%	0	
20	Formic Acid 90%	0	
21	Furfural	0	
22	Gasoline	0	
23	Hydrochloric Acid 37%	0	
24	Hydrofluoric Acid 48%	1	Slight change in color (white)
25	Hydrogen Peroxide 28%	0	
26	Tincture of Iodine	2	Severe staining of finish (yellow)

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 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.

#	Chemical	Rating	Comments
27	Methyl Ethyl Ketone	0	
28	Methylene Chloride	0	
29	Monochlorobenzene	0	
30	VM&P Naphtha	0	
31	Nitric Acid 20%	0	
32	Nitric Acid 30%	0	
33	Nitric Acid 70%	2	Severe staining of finish (brown)
34	Phenol 90%	0	
35	Phosphoric Acid 85%	0	
36	Silver Nitrate, Saturated	0	
37	Sodium Hydroxide 10%	1	Slight change in gloss
38	Sodium Hydroxide 20%	1	Slight change in gloss
39	Sodium Hydroxide 40%	1	Slight change in gloss
40	Sodium Hydroxide, Flake	0	
41	Sodium Sulfide, Saturated	0	
42	Sulfuric Acid 33%	0	
43	Sulfuric Acid 77%	0	
44	Sulfuric Acid 96%	0	
45	Sulfuric Acid 77% and Nitric Acid 70%, equal parts	2	Severe staining
46	Toluene	0	
47	Trichloroethylene	0	
48	Xylene	0	
49	Zinc Chloride, Saturated	0	
	Sum of all ratings	10	

Test Performed By: Dr. Neil M. Ball

Date: 1-5-2010