



# SEFA 8.0 CABINET SURFACE FINISH TESTS

Performed for: ARPA INDUSTRIALE Spa  
Via G. Piumati, 91  
12042 Bra (CN) Italy

Item Tested: ARPA FENIX NTM 0.9 mm.- White /Bianco

Reference: Scientific Equipment & Furniture Association (SEFA)  
Laboratory Furniture Casework, Shelving and Tables Recommended Practices  
SEFA 8-PL 2010

## 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

There is one (1) Level 3 condition evident

#### 8.2 Boiling Water Resistance Test

Rating:  Pass  Fail

Test not requested by customer

#### 8.3 Ball Impact Resistance Test Rating:

Rating:  Pass  Fail

Test not requested by customer

#### 8.6 Dart Impact Resistance Test Rating:

Rating:  Pass  Fail

Test not requested by customer

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

Dr. Neil M. Ball Ph.D

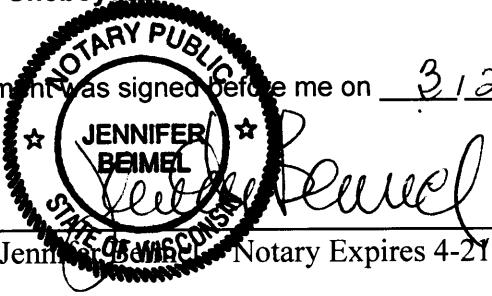
Signature

3-28-13

Date

State of Wisconsin  
County of Sheboygan

This document was signed before me on 3/28/13.



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# CHEMICAL RESISTANCE TESTING – 8.1



SEFA 8-PL 2010

Date of Test:  3-27-2013	Sample Description:  ARPA FENIX NTM 0.9 mm.- White /Bianco		
<p><b>Rating Scale:</b></p> <ul style="list-style-type: none"> <li>Level 0 - No Detectable Change</li> <li>Level 1 - Slight Change in Color or Gloss</li> <li>Level 2 – Slight Surface Etching or Severe Staining</li> <li>Level 3- Pitting, Cratering, Swelling, Erosion of Coating, Obvious &amp; Significant Deterioration.</li> </ul>			
#	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	Ammonium Hydroxide 28%	0	
10	Benzene	0	
11	Carbon Tetrachloride	0	
12	Chloroform	0	
13	Chromic Acid 60%	0	
14	Cresol	1	Slight change in color (yellow)
15	Dichloroacetic Acid	0	
16	Dimethylformamide	0	
17	Dioxane	0	
18	Ethyl Ether	0	
19	Formaldehyde 37%	0	
20	Formic Acid 90%	0	
21	Furfural	1	Slight change in color (yellow)
22	Gasoline	0	
23	Hydrochloric Acid 37%	0	
24	Hydrofluoric Acid 48%	3	Obvious and significant deterioration of the finish
25	Hydrogen Peroxide 30%	0	
26	Tincture of Iodine	1	Slight change in color (yellow/pink)
Test Performed By: Dr. Neil M. Ball		Date: 3-28-2013	

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SEFA 8-PL 2010

Date of Test:	Sample Description:
3-27-2013	ARPA FENIX NTM 0.9 mm.- White /Bianco

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
27	Methyl Ethyl Ketone	0	
28	Methylene Chloride	0	
29	Monochlorobenzene	0	
30	Naphtha VM&P	0	
31	Nitric Acid 20%	0	
32	Nitric Acid 30%	0	
33	Nitric Acid 70%	1	Slight change in color (yellow)
34	Phenol 90%	0	
35	Phosphoric Acid 85%	0	
36	Silver Nitrate, Saturated	0	
37	Sodium Hydroxide 10%	0	
38	Sodium Hydroxide 20%	0	
39	Sodium Hydroxide 40%	0	
40	Sodium Hydroxide, Flake	0	
41	Sodium Sulfide, Saturated	1	Slight change in color (brown)
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	1	Slight change in color (yellow)
46	Toluene	0	
47	Trichloroethylene	0	
48	Xylene	0	
49	Zinc Chloride, Saturated	0	

Test Performed By: Dr. Neil M. Ball

Date: 3-28-2013

**ARPA INDUSTRIALE Spa**  
**ARPA FENIX NTM 0.9 mm.- White /Bianco**

1	8	15	22	29	36	43
2	9	16	23	30	37	44
3	10	17	24	31	38	45
4	11	18	25	32	39	46
5	12	19	26	33	40	47
6	13	20	27	34	41	48
7	14	21	28	35	42	49