

16 HOUR PERIOD CHEMICAL SPOT TEST

CHEMICAL	LABORATORY WORK TOPS, SINKS AND ACCESSORIES						
	DURCON (1) EPOXY RESIN	RESINLINE (2) POLIESTER RESIN LINING MATERIAL	BLANCO SARAIBA (2) ENGINEERED	MAX-RESISTANCE (3) ISOMAX LAMINATE	SPC BY DURCON (3) DURCON LAMINATE	TOPLAB PLUS (3) TRESPA LAMINATE	NEOLITH SINTERED CERAMICS
1 Acetone	Green	Green	Green	Green	Green	Green	Green
2 Acetonitrile	Green	Green	Green	Green	Green	Green	Green
3 Alizarine	Green	Green	Yellow	Green	Green	Green	Green
4 Ethyl Alcohol 50%	Green	Green	Green	Green	Green	Green	Green
5 Ethyl Alcohol 95%	Green	Green	Green	Green	Green	Green	Green
6 Ammonia Solution 25%	Green	Green	Green	Green	Green	Green	Green
7 Giemsa's Stain	Green	Green	Red	Green	Green	Green	Green
8 Wright Stain	Green	Green	Red	Green	Green	Green	Green
9 Benzene	Green	Green	Green	Green	Green	Green	Green
10 Acetic Anhydride	Green	Green	Green	Green	Green	Green	Green
11 Aniline Blue	Green	Green	Yellow	Green	Green	Green	Green
12 Methylene Blue	Green	Green	Red	Green	Green	Green	Green
13 2-Butanone	Green	Green	Green	Green	Green	Green	Green
14 Sodium Chloride 10%	Green	Green	Green	Green	Green	Green	Green
15 Ferric Chloride	Green	Green	Green	Yellow	Green	Green	Green
16 Chromic Acid Cleaning Mixture	Red	Yellow	Yellow	Green	Green	Green	Green
17 Carbon Tetrachloride	Green	Green	Green	Green	Green	Green	Green
18 Congo Red	Green	Green	Green	Green	Green	Green	Green
19 1,2-Dichloroethane	Green	Green	Yellow	Green	Green	Green	Green
20 Dichloromethane	Green	Green	Yellow	Green	Green	Green	Green
21 Potassium Dichromate	Green	Green	Green	Green	Green	Green	Green
22 N, N-Dimethylformamide	Green	Green	Green	Green	Green	Green	Green
23 1,4-Dioxane	Green	Green	Green	Green	Green	Green	Green
24 Eosin	Green	Green	Yellow	Green	Green	Green	Green
25 Diethyl Ether	Green	Green	Green	Green	Green	Green	Green
26 Phenol	Green	Yellow	Green	Green	Green	Green	Green
27 Crystal Violet	Green	Green	Green	Green	Green	Yellow	Green
28 Methyl Violet	Green	Yellow	Red	Yellow	Green	Yellow	Green
29 Formaldehyde 37%	Green	Green	Green	Green	Green	Green	Green
30 Carbol Fuchsin	Green	Red	Yellow	Red	Green	Red	Yellow
31 Fuchsin Basic	Green	Red	Red	Red	Green	Red	Green
32 Furfural	Yellow	Red	Red	Green	Green	Green	Green
33 Ethylene Glycol	Green	Green	Green	Green	Green	Green	Green
34 N-Hexane	Green	Green	Green	Green	Green	Green	Green
35 Heptane	Green	Green	Green	Green	Green	Green	Green
36 Isooctane	Green	Green	Green	Green	Green	Green	Green
37 Iodine Crystal	Green	Red	Yellow	Red	Yellow	Yellow	Green
38 Potassium Iodide 10%	Green	Green	Green	Green	Green	Green	Green
39 Carmine	Green	Green	Green	Green	Green	Green	Green
40 Xylene	Green	Green	Green	Green	Green	Green	Green
41 Nitric Acid 10%	Green	Green	Green	Green	Green	Green	Green

(n. d.) - No Data - No Effect - Slight Spot - Spot

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42 Nitric Acid 65%	Yellow	Yellow	Red	Yellow	Green	Yellow	Green
43 Chromic Acid 40%	Yellow	Yellow	Yellow	Yellow	Green	Yellow	Green
44 Citric Acid 10%	Green	Green	Green	Green	Green	Green	Green
45 Hydrofluoric Acid 48%	Red	Yellow	Yellow	Yellow	Green	Red	Red
46 Phosphoric Acid 85%	Green	Yellow	Green	Green	Green	Green	Green
47 Acetic Acid 5%	Green	Green	Green	Green	Green	Green	Green
48 Acetic Acid Crystal	Green	Green	Green	Green	Green	Green	Green
49 Oleic Acid	Green	Green	Green	Green	Green	Green	Green
50 Sulfuric Acid 33%	Green	Green	Green	Green	Green	Green	Green
51 Sulfuric Acid 60%	Green	Green	Green	Green	Green	Green	Green
52 Sulfuric Acid 96%	Red	Yellow	Yellow	Green	Green	Yellow	Green
53 Potassium Permanganate	Green	Green	Green	Green	Green	Green	Green
54 Kerosene	Green	Green	Green	Green	Green	Green	Green
55 Butyl Acetate	Green	Green	Green	Green	Green	Green	Green
56 Ethyl Acetate	Green	Green	Green	Green	Green	Green	Green
57 Aniline Oil	Green	Green	Green	Green	Green	Green	Green
58 Cotton Oil	Green	Green	Green	Green	Green	Green	Green
59 Mineral Oil	Green	Green	Green	Green	Green	Green	Green
60 Transformer Oil	Green	Green	Green	Green	Green	Green	Green
61 Olive Oil	Green	Green	Green	Green	Green	Green	Green
62 Acridine Orange	Green	Green	Yellow	Green	Green	Green	Green
63 Sodium Hypochlorite 5%	Green	Green	Green	Green	Green	Green	Green
64 Soap Solution 1%	Green	Green	Green	Green	Green	Green	Green
65 Safranin	Green	Green	Green	Green	Green	Green	Green
66 Copper Sulfate	Green	Green	Green	Green	Green	Green	Green
67 Sudan III	Green	Green	Green	Green	Green	Green	Green
68 Turpentine	Green	Green	Green	Green	Green	Green	Green
69 Tetrahydrofuran	Green	Green	Green	Green	Green	Green	Green
70 Trichloroethylene	Green	Green	Green	Green	Green	Green	Green
71 Chromium Oxide	Green	Green	Green	Green	Green	Green	Green
72 Toluene	Green	Green	Green	Green	Green	Green	Green
73 Sodium Carbonate 2%	Green	Green	Green	Green	Green	Green	Green
74 Sodium Carbonate 20%	Green	Green	Green	Green	Green	Green	Green
75 Distilled Water	Green	Green	Green	Green	Green	Green	Green
76 Boiled Water (5 min.)	Green	Green	Green	Green	Green	Green	Green
77 Hydrogen Peroxide Solution 3%	Green	Green	Green	Green	Green	Green	Green
78 Hydrogen Peroxide Solution 20%	Green	Green	Green	Green	Green	Green	Green
79 Ammonia Liquor 28%	Green	Green	Green	Green	Green	Green	Green
80 Sodium Hydroxide 10%	Green	Green	Green	Green	Green	Green	Green
81 Sodium Hydroxide 50%	Green	Green	Green	Green	Green	Green	Green
82 Malachite Green	Green	Green	Yellow	Green	Green	Green	Green

Explanation:

(1) Tops, sinks and accessories made of epoxy resin; (2) material made of polyester resin; (3) Material made of phenolic resin.

TEST CONDITIONS:

With nonvolatile reagents, approximately 1/2 cc of the reagent was applied to the surface tested. The reagent was covered with a wide mouth bottle to retard evaporation. With volatile reagents, a 1" (25mm) ball of cotton was saturated with the reagent and placed on the surface tested, then covered with a wide mouth bottle.

All surface test spots were wet with reagent for a 16 hour period. After exposure, the surface was washed with a soap and water, rinsed and dried before examination and evaluation.