

TEST REPORT

304654 / 1

Revision: 0
Date received: 01/02/21
Date of test: 02/03/21
Date of issue: 03/03/21

Sample name: Fingerprint Resistant Laminate (Haute Matte)

MERINO INDUSTRIES LIMITED
70, KLJ COMPLEX, 2ND FLOOR
110015 MOTI NAGAR, NEW DELHI
IN - INDIA

Chemical Spot Test SEFA

METHOD A - Test results:

Test no.	Chemical Reagent	Contact time	Rating
1	Acetate, Amyl	1 h	0
2	Acetate, Ethyl	1 h	0
4	Acetone	1 h	0
6	Alcohol, Butyl	1 h	0
7	Alcohol, Ethyl	1 h	0
8	Alcohol, Methyl	1 h	0
10	Benzene	1 h	0
11	Carbon Tetrachloride	1 h	0
12	Chloroform	1 h	0
14	Cresol	1 h	0
15	Dichloroacetic Acid	1 h	0
16	Dimethylformamide	1 h	0
17	Dioxane	1 h	0
18	Ethyl Ether	1 h	0
19	Formaldehyde, 37%	1 h	0
21	Furfural	1 h	1
22	Gasoline	1 h	0
27	Methyl Ethyl Ketone	1 h	0
28	Methylene Chloride	1 h	0
29	Monochlorobenzene	1 h	0
30	Naphthalene	1 h	0
34	Phenol, 90%	1 h	0
46	Toluene	1 h	0
47	Trichloroethylene	1 h	0
48	Xylene	1 h	0

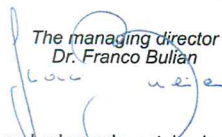
Ratings:

0 = Level 0, no detectable changes.
1 = Level 1, slight change in color or gloss.
2 = Level 2, slight surface etching or severe staining.
3 = Level 3, pitting, cratering, swelling or erosion of coating. Obvious and significant deterioration.

Notes:

- Staining agents and contact times were as required by SEFA 8-PL-2016
Pass with no more than four (4) Level 3 conditions for all 49 reagents (A + B methods).
- Chemical analysis of the tested material has not been carried out.
- Conditioning period: from 01/02/2021 to 03/02/2021.

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The managing director
Dr. Franco Bulian


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Date of issue:

03/03/21

Sample name:

Fingerprint Resistant Laminate (Haute Matte)

METHOD B - Test results:

Test no.	Chemical Reagent	Contact time	Rating
3	Acetic Acid, 98%	1 h	0
5	Acid Dichromate, 5%	1 h	0
9	Ammonium Hydroxide, 28%	1 h	0
13	Chromic Acid, 60%	1 h	0
20	Formic Acid, 90%	1 h	0
23	Hydrochloric Acid, 37%	1 h	1
24	Hydrofluoric Acid, 48%	1 h	2
25	Hydrogen Peroxide, 30%	1 h	0
26	Iodine, Tincture of	1 h	2
31	Nitric Acid, 20%	1 h	0
32	Nitric Acid, 30%	1 h	0
33	Nitric Acid, 70%	1 h	2
35	Phosphoric Acid, 85%	1 h	0
36	Silver Nitrate, Saturated	1 h	0
37	Sodium Hydroxide, 10%	1 h	0
38	Sodium Hydroxide, 20%	1 h	0
39	Sodium Hydroxide, 40%	1 h	0
40	Sodium Hydroxide Flake	1 h	0
41	Sodium Sulfide Saturated	1 h	0
42	Sulfuric Acid, 33%	1 h	0
43	Sulfuric Acid, 77%	1 h	0
44	Sulfuric Acid 96%	1 h	1
45	Sulfuric Acid, 77% and Nitric Acid, 70% equal parts	1 h	2
49	Zinc Chloride, Saturated	1 h	0

Ratings:

0 = Level 0, no detectable changes.

1 = Level 1, slight change in color or gloss.

2 = Level 2, slight surface etching or severe staining.

3 = Level 3, pitting, cratering, swelling or erosion of coating. Obvious and significant deterioration.

Notes:

- Staining agents and contact times were as required by SEFA 8-PL-2016

Pass with no more than four (4) Level 3 conditions for all 49 reagents (A + B methods).

- Chemical analysis of the tested material has not been carried out.

- Conditioning period: from 01/02/2021 to 03/02/2021.

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03/03/21

Fingerprint Resistant Laminate (Haute Matte)

1) Acetate, Amyl	2) Acetate, Ethyl	4) Acetone	6) Alcohol, Butyl	7) Alcohol, Ethyl
8) Alcohol, Methyl	10) Benzene	11) Charbon Tetrachloride	12) Chloroform	14) Cresol
15) Dichloroacetic Acid	16) Dimethylformamide	17) Dioxane	18) Ethyl Ether	19) Formaldehyde, 37%
21) Furfural	22) Gasoline	27) Methyl Ethyl Ketone	28) Methylene Chloride	29) Monochlorobenzene
30) Naphthalene	34) Phenol, 90%	46) Toluene	47) Trichloroethylene	48) Xylene

- Method A chemical spots distribution layout -

37) Sodium Hydroxide, 10%	38) Sodium Hydroxide, 20%	39) Sodium Hydroxide, 40%	40) Sodium Hydroxide Flake	41) Sodium Sulfide Saturated
9) Ammonium Hydroxide, 28%	26) Iodine, Tincture of	36) Silver Nitrate, Saturated	49) Zinc Chloride, Saturated	
3) Acetic Acid, 98%	5) Acid Dichromate, 5%	13) Chromic Acid, 60%	20) Formic Acid, 90%	23) Hydrochloric Acid, 37%
24) Hydrofluoric Acid, 40%	25) Hydrogen Peroxide, 30%	31) Nitric Acid, 20%	32) Nitric Acid, 30%	33) Nitric Acid, 70%
35) Phosphoric Acid, 85%	42) Sulfuric Acid, 33%	43) Sulfuric Acid, 77%	44) Sulfuric Acid, 96%	45) Sulfuric Acid 77% + Nitric Acid 70%, e.p

- Method B chemical spots distribution layout -

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