
TESTING REPORT
ECOLABEL Windows cleaner

PERFORMED PRODUCT: Ecowise window & Interior Cleaner

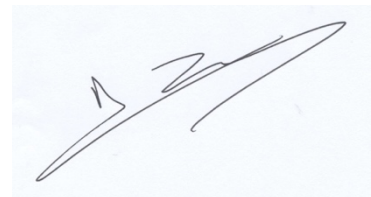
COMPARATIVE PRODUCT:
ALKLANET
LOT : 5328TEO210 13.08.2018 05:30

Date of tests: **19th September 2018**
ABL Laboratoire

Report's date: 28th September 2018

Tests carried out for the company:

SEIFAR

A handwritten signature in black ink on a light blue background. The signature is stylized and appears to be 'SEIFAR'.

The results of the present report relate only to the tested products.
The report can not be the object of a partial reproduction.

I - OBJECT

The purpose of this test is to confirm that degreaser and anti-trace effects of a window cleaner are better than or as good as a reference product.

The tests are carrying out in conformity with the decision of 2017/1217 of 23 June 2017 establishing the EU Ecolabel criteria for hard surface cleaning products.

Light fat removing and strip-less drying are tested as described in:

- the framework for testing the performance for hard surface cleaning products 2017. Version 1.0/20.03.2018 »;
- the IKW procedure: SOFW Journal 130, 54-2005 for the anti-trace effect.

II - TESTED PRODUCTS

Performed product: ECOWISE WINDOW & INTERIOR CLEANER

Comparative product: ALKLANET

Dose: both products are tested undiluted.

III - PRINCIPLE

The two effects are verified:

- light fat removing
- strip-less drying

The method applied to measure the effect of the performed product is detailed for each effect. The products are hand washed.

Tests number: 5 for each product.

IV - DEGREASER EFFECT :

Material

- Mirrors
- Sopalin: Trok premium extra soft
- Ethyl alcohol
- Soil
 - 81,3 % of peanut oil (brand : sigma)
 - 18,7 % of Kaolin
- Wearing gloves

Principle: Clean mirrors are dirtied then the cleaner is used.

Tests

1g of soil is applied on the mirror. The mirror is put in the oven for two hours, then it's allowed to cool.

1ml of performed product is applied, is effective for 1 minute, then is wiped off.

1ml of reference is applied, acts during during 1 minute, then wiped.

At the end of the tests, the surface of mirrors is observed. Cleanliness level of the surface is scored on a scale from zero to five.

The measurement is done 5 times for the performed product and the reference.

RESULTS

The observations are marked on a scale from zero to five :

- 0 = Dirty (0% of cleanliness)
- 1 = between 0 and 20% of cleanliness
- 2 = between 20 and 40% of cleanliness
- 3 = between 40 and 60% of cleanliness
- 4 = between 60 and 80% of cleanliness
- 5 = clean (over 80% of cleanliness)

Notes of the reference product and the candidate product are compared.

Results

Ambient temperature at the start of testing: 20,0°C - Ambient temperature at the end of testing: 20,0°C

	PERFORMED PRODUCT	REFERENCE	Water
Test 1	5	4	2
Test 2	5	4	
Test 3	5	4	
Test 4	5	4	
Test 5	5	4	
Average	5	4	

The product performance is higher compared to the reference.

Conclusion :

The performed product ECOWISE WINDOW & INTERIOR CLEANER is satisfying : the light fat removing is better than the reference.

V - ANTITRACE EFFECT

Principle

The product is tested on a perfectly cleaned support to visualize any trace brought by the formula of the product itself.

The chosen support is a mirror because dirt is easily visualized on this support.

The absence of traces is verified according to the IKW procedure: SOFW Journal 130, 54-2005 «Recommendation for the Quality Assessment of the Product Performance of All-Purpose Cleaners».

Material

- Mirror
- Ethanol
- Micro-fiber
- multitrack scrub tester

Tests

The mirrors are cleaned with ethanol. They are wiped with a special micro-fiber for windows. The perfect cleanliness, without any traces, is checked.

Wipings are prepared (13x10cm) from standard cotton WFK and attached on the multitrack scrub tester. 5mL of product are soaked on the cotton.

Mirrors are cleaned with 20 movements up and down per minute.

Mirrors are rinsed with water and are dried for an hour.

Tests are done 5 times for each product.

RESULTS

Traces possibly spotted are described:

- Scale: 1 transparent traces /5 strong matte traces

Slabe 1	Streak formation	Drops	Score
Test 1	1	0	0,33
	0	2	1,33
Test 2	1	0	0,33
	0	2	1,33

Slabe 2	Streak formation	Drops	Score
Test 3	0	1	0,67
	1	0	0,33
Test 4	0	2	1,33
	1	0	0,33

Slabe 3	Streak formation	Drops	Score
Test 5	1	0	0,33
	0	2	1,33

!"#\$%&'(Streak formation	Drops	Score
Water	1	0	0,33
Demineralized Water	1	0	0,33
Water	1	0	0,33
Demineralized Water	1	0	0,33

	Average
Performed product	0,33
REFERENCE	1,2

Conclusion :

The performed product Ecowine window interior cleaner is satisfying : the strip less drying is better than the reference.

VI - GENERAL CONCLUSION

The performed test is STATISFYING for the product ECOWISE WINDOW & INTERIOR CLEANER :

- The light fat removing is better than the reference ;
- The strip less drying is better than the reference.

The product ECOWISE WINDOW & INTERIOR CLEANER is in conformity with the decision of 23rd June 2017 establishing the EU Ecolabel criteria for hard surface cleaning products.