

TEST REPORT

Report No. : HU50008A/2022

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Date : JUN. 06, 2022

MOISTURE 22 CO., LTD.

No. 10, Ln.231, Sec. 1, Nankan Rd., Luzhu Dist, Taoyuan City 338, Taiwan

The following merchandise was submitted and identified by the applicant as:Product Description: Antibacterial solution (Fog Liquid)Style/Item No.: FLE**We have tested the submitted sample(s) as requested and the following results were obtained:**Test Requested: Automotive interior spray testTest Method & Result: ---See following sheet(s)---Date of Receipt: May 12, 2022Testing Period: May 12, 2022 ~ Jun. 06, 2022Signed for and on behalf of
SGS Taiwan Ltd.Brian Huang
Supervisor

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Test Method:

- (a) Pour the sample into the vaporizer.
- (b) Place the test object and the vaporizer in a fume hood and the test object at a distance of 20-30 cm from the fog vaporizer.
- (c) Start the vaporizer to spray the sample on the surface of the test object for a total of 30 seconds.
- (d) After the sample is sprayed, let the test object sit in the fume hood for 30 minutes, then start the ventilation device.
- (e) Take out the test object, visual check the test object for any changes and findings.
- (f) After observation, place the sample in $(23\pm 2)^{\circ}\text{C}$, $(50\pm 5)\%\text{R.H.}$ temperature-controlled environment for 240 hours. After that, the sample was placed in the oven at a temperature of 80°C for 240 hours.
- (g) Visual check for any changes and color change of the test object.
- (h) Test Equipment: Oven: GIANT FORCE/GPO-125.

Test Result:

Sample	Test object	Test Result (s)	
		After sample spraying and sit for 30 min.	After standing at room temperature and high temperature
Antibacterial solution (Fog Liquid)	Plastic	No visible change was found.	No visible change was found.
	Leather	No visible change was found.	No visible change was found.

Total Color Difference (ΔE^{*ab}) Measurement

Test Item (s)		Test Result (s)			
		Plastic		Leather	
		Original	After testing	Original	After testing
Color Difference After Test	L*	23.57	23.61	25.84	26.69
	a*	-0.12	-0.15	-0.23	-0.29
	b*	-0.81	-0.70	-0.20	-0.20
	ΔL^{*}	-	0.03	-	0.85
	Δa^{*}	-	-0.03	-	-0.07
	Δb^{*}	-	0.11	-	0.00
	ΔE^{*ab}	-	0.11	-	0.85

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Remark :

Test object:	Plastic 、Leather
Illuminant:	CIE illuminant D65
Standard Observer:	CIE 1964 standard colorimetric observer (10° observer)
Measurement Area:	φ 25.4mm
Measurement Interval:	10nm
Wavelength Range:	360nm~740nm
Mode of Measurement	Reflection measurement

Note :

1. The content of this report is invalid if it is not presented as the entire report.
2. The Test objects and Vaporizer were provided by applicant.

– Pictures –



Photo A: Appearance of the sample



Photo B: Vaporizer for test





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– Pictures –

	
Photo C: Test object – Plastic (After sprayed and sit for 30 minutes)	Photo C: Test object – Leather (After sprayed and sit for 30 minutes)
	
Photo C: Test object – Plastic (After environment test)	Photo C: Test object – Leather (After environment test)

--- End of Report ---

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