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Gmicro Testing

GUANGDONG DETECTION CENTER OF MICROBIOLOGY

REPORT FOR ANALYSIS

Report №.

2020FM10835R01E

Name of Sample

Airlite Purelight Interior Paint

Applicant

AM Technology SA

Test Type

Entrustment Test



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GUANGDONG DETECTION CENTER OF MICROBIOLOGY

REPORT FOR ANALYSIS



Report №.:2020FM10835R01E Verification Code: 92371680

Name of Sample	Airlite Purelight Interior Paint	Test Type	Entrustment Test
Applicant	AM Technology SA	Address	Via Cantonale 50, 6805, Mezzovico-Vira, CH
Sample Source	Submitted for Testing by the Applicant	Sample Quantity	500g
Spec and Lot № of Sample	5kg/bottle	State and Characteristic	White,Pulverous
Sample Received Date	2020-04-20	Test Completion Date	2020-06-18
Test Standard and Method	Refer to ISO 18061-2014		
Item Tested	Antiviral property		
Test Conclusion	<p>The test data of the sample(s) is attached to the page(s) of this report.</p> <p style="text-align: right;">Issue Date: 2020-06-19 (Official Seal)</p>		
Remarks	<p>1.Manufacturer: AM Technology SA. (provided by the applicant)</p> <p>2. Sample validity: 2 years. (provided by the applicant)</p>		

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GUANGDONG DETECTION CENTER OF MICROBIOLOGY

ANALYSIS AND TEST RESULT

Report No.: 2020FM10835R01E

1. Test requirement: Illumination intensity was 0.01mW/cm ²						
2. Test results						
Virus and host cell	Action time	Group	Logarithm of infectivity titre of virus lgTCID ₅₀ /mL	Average titre infectivity of virus lgTCID ₅₀ /mL	Average titre infectivity of virus lgTCID ₅₀ /PCS	Average infectivity titre of virus TCID ₅₀ /PCS
Enterovirus The type 71 Host cell: Vero	0h	Control group 1	5.80	5.87	6.87	7.54×10 ⁶
		Control group 2	6.00			
		Control group 3	5.80			
	Dark condition 4h	Control group 1	5.33	5.29	6.29	1.95×10 ⁶
		Control group 2	5.20			
		Control group 3	5.33			
		Test group 1	4.43	4.45	5.45	2.85×10 ⁵
		Test group 2	4.50			
		Test group 3	4.43			
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GUANGDONG DETECTION CENTER OF MICROBIOLOGY

ANALYSIS AND TEST RESULT

Report No.: 2020FM10835R01E

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Virus and host cell	Action time	Group	Logarithm of infectivity titre of virus lgTCID ₅₀ /mL	Average titre infectivity of virus lgTCID ₅₀ /mL	Average titre infectivity of virus lgTCID ₅₀ /PCS	Average infectivity titre of virus TCID ₅₀ /PCS
Enterovirus 71 Host cell: Vero	Light condition 4h	Control group 1	4.57	4.64	5.64	4.36×10 ⁵
		Control group 2	4.67			
		Control group 3	4.67			
		Test group 1	<1.50	<1.50	<2.50	<3.16×10 ²
		Test group 2	<1.50			
		Test group 3	<1.50			
Antiviral activity			>3.14	Percent		>99.93%
The antiviral activity of photocatalytic materials under UVA irradiation			>2.30	Percent		>99.50%
Contribution of antiviral activity of non-photocatalyst			0.84	Percent		85.42%
Data validity			Datas conform to the standard			
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ANALYSIS AND TEST RESULT

Report No.: 2020FM10835R01

(Continued)						
Virus and host cell	Action time	Group	Logarithm of infectivity titre of virus lgTCID ₅₀ /mL	Average titre infectivity of virus lgTCID ₅₀ /mL	Average titre infectivity of virus lgTCID ₅₀ /PCS	Average infectivity titre of virus TCID ₅₀ /PCS
H1N1 <i>Influenza A virus</i> (A/PR/8/34) Host cell: MDCK	0h	Control group 1	5.50	5.48	6.48	3.01×10 ⁶
		Control group 2	5.43			
		Control group 3	5.50			
	Dark condition 4h	Control group 1	5.12	5.22	6.22	1.68×10 ⁶
		Control group 2	5.20			
		Control group 3	5.33			
		Test group 1	2.75	2.66	3.66	4.67×10 ³
		Test group 2	2.57			
		Test group 3	2.67			

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GUANGDONG DETECTION CENTER OF MICROBIOLOGY

ANALYSIS AND TEST RESULT

Report No.: 2020FM10835R01

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Virus and host cell	Action time	Group	Logarithm of infectivity titre of virus lgTCID ₅₀ /mL	Average titre infectivity of virus lgTCID ₅₀ /mL	Average titre infectivity of virus lgTCID ₅₀ /PCS	Average infectivity titre of virus TCID ₅₀ /PCS
H1N1 <i>Influenza A virus</i> (A/PR/8/34) Host cell: MDCK	Light condition 4h	Control group 1	4.67	4.71	5.71	5.22×10 ⁵
		Control group 2	4.67			
		Control group 3	4.80			
		Test group 1	<1.50	<1.50	<2.50	<3.16×10 ²
		Test group 2	<1.50			
		Test group 3	<1.50			
Antiviral activity			>3.21	Percent		>99.94%
The antiviral activity of photocatalytic materials under UVA irradiation			>0.65	Percent		>77.61%
Contribution of antiviral activity of non-photocatalyst			2.56	Percent		99.72%
Data validity			Datas conform to the standard			
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Notice Items

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