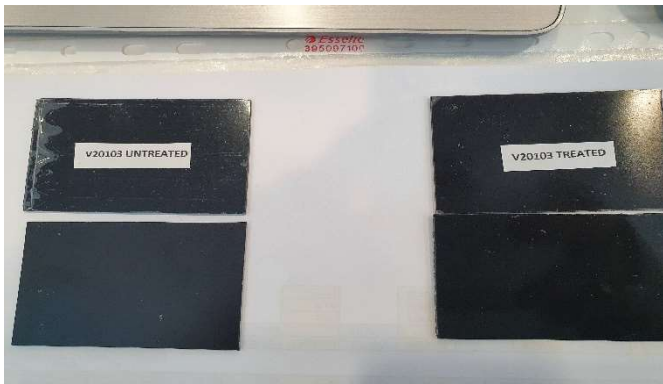


Test report n° 20200050/03

ADDMASTER (UK) LIMITED
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Test information	
MATERIAL	COATING
ITEM	<p>ADDMASTER – Customer: Revolutionary Protective Solutions Limited – Reference: V20103 – Sample Aqueous Guard® PLUS+ non porous surface coating</p> 
METHOD	ISO 21702:2019 "Measurement of antiviral activity on plastics and other non porous surfaces"
Date of receipt	23 December 2020
Samples	<ul style="list-style-type: none"> • Treated sample: 50 x 50 mm², 0.71 mm thick; • Untreated sample: 50 x 50 mm², 1 mm thick; • Cover film: polypropylene film 40 x 40 mm², thickness 0.10 mm • All samples were rinsed with sterile distilled water; • Volume of test inoculum: 400 uL.
Conservation	Room temperature
Test temperature	25°C ± 1°C
Incubation temperature	37°C ± 1°C
Viral strain	SARS-CoV-2_COV2019 ITALY/INMI1
Permissive host cell line	VERO E6
Contact time	2H - 6h - 24h



Calculation of antiviral activity

Antiviral activity is calculated with the following formula:

$$R = U_t - A_t$$

where

R is the evaluation of antiviral activity

U_t is the mean of log TCID₅₀/cm² of the 3 untreated samples at time T_x

A_t is the mean of log TCID₅₀/cm² of the 3 treated samples at time T_x

Log TCID₅₀ inoculum: 6.50

Cytotoxicity test						
	Media Log TCID ₅₀	TCID ₅₀ /1 ml	S (TCID ₅₀ / ml)	Test valid if	Results	
Negative control	3.58	10 ^{3.58}	$S_n = 10^{3.58}$	n/a	n/a	n/a
Untreated sample	3.33	10 ^{3.33}	$S_u = 10^{3.33}$	$ S_n - S_u \leq 0.5$	0.17	Valid
Treated sample	3.17	10 ^{3.17}	$S_t = 10^{3.17}$	$ S_n - S_t \leq 0.5$	0.42	Valid

Test results

	Time	Average Log TCID ₅₀	TCID ₅₀ /1 ml	N (TCID ₅₀ /cm ²)	U_t	R $U_t - A_t$	Test valid if result is between
Untreated sample	T0	4.75	10 ^{4.75}	3.51 x 10 ⁵	n/a	n/a	2.5 x 10 ⁵ – 1.2 x 10 ⁶ (TCID ₅₀ /cm ²)
	T2	3.67	10 ^{3.67}	2.90 x 10 ⁴	4.46	n/a	n/a
	T6	3.17	10 ^{3.17}	9.17 x 10 ³	3.96	n/a	n/a
	T24	2.75	10 ^{2.75}	3.51 x 10 ³	3.55		



	Time	Average Log TCID ₅₀	TCID ₅₀ /1 ml	N (TCID ₅₀ /cm ²)	At	R Ut-At	[% reduction versus T0]
Treated Sample	T2	3.08	10 ^{3.08}	7.57 x 10 ³	3.88	0.58	97.86 %
	T6	3.00	10 ^{3.00}	6.25 x 10 ³	3.80	0.16	98.22 %
	T24	2.33	10 ^{2.33}	1.35 x 10 ³	3.13	0.42	99.62%

This Test Report refers only to the sample tested; the name and description of the sample are declared by the Customer.
 This test report may only be reproduced in full; partial reproduction must be authorized with written approval by the Laboratory.
 ° Test in service (same Group).

Prato, 19 January 2021

End of test Report

The Responsible,

