

# BLESSTAR Antimicrobial Spray:

**BLESSTAR®**

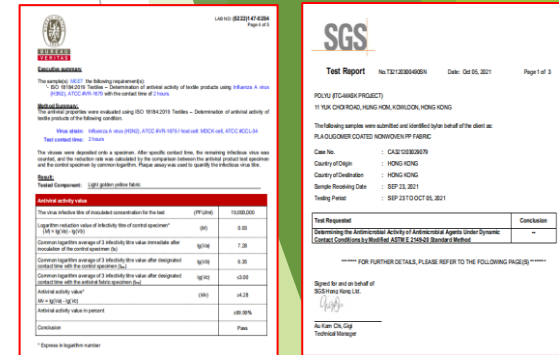
**EVER ECOLAR®**



Antibacterial Performance (20 mg/mL) (ASTM E2315-16 + ASTM E2783-22)				
Concentration	S. Aureus (1min)	K. Pneumoniae (1min)	C. Albicans (1min)	Methicillin-resistant S. Aureus (1min)
20 mg/mL	> 99.99%	> 99.99%	> 99.99%	> 99.99%

Antiviral Performance (20 mg/mL) (ASTM E1052-20)					
Index/Virus	COVID-19 (20min)	H1N1 (1min)	H1N1 (1h)	H3N2 (1min)	H3N2 (1h)
Inactivation rate	> 99.99%	> 99.9%	> 99.99%	> 99.9%	> 99.99%
Inactivation index	> 4	> 3	> 4	> 3	> 4

Skin irritation (ISO 10993-10: 2010, 100mg/mL)		
Index/Position	Oral mucosa of hamster	Vagina of white rabbit
Irritation index	0.7	0.7
Irritation reaction	negligible	negligible



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## Traits:

- ❑ Fully biodegradable, low carbon emission.
- ❑ Broad-spectrum antiviral/antimicrobial property.
- ❑ Non-toxic and non-allergenic.
- ❑ Excellent deodorant property
- ❑ Effective spray against bed bugs, and mites
- ❑ Simple preparation and cost-effectiveness.
- ❑ Stable and durable.

## Applications:

- ❑ Skin disinfection
- ❑ Disinfection of the surface of small objects
- ❑ Farms for chicken, duck, pig, cow, sheep etc.

## Specification:

- ❑ Original concentration: 50%
- ❑ pH: 4~6
- ❑ Usage: dilute into 10% for spraying, i.e. original solution: water = 1:4

