



Certificate of Antimicrobial Efficacy in Shadow Positions

Tested apparatus:

- SteriPRO, manufactured by UVC Solutions Ltd., intended for UVC-based room disinfection

Testing standards:

- EVS EN ISO 17272:2020
- ASTM E3135-18
- SIST EN 14885:2018

Testing conditions:

- Shadow position (without direct exposure to UVC light)
- Distance: 3 meters from unit
- Height: 2 meters from the ground (top of the cabinet)



Time of exposure:

- 6 minutes

Test results:

- 5.28 log reduction for *Escherichia coli*
- 7.47 log reduction for *Staphylococcus aureus* (substitute for MRSA)
- 5.78 log reduction for *Bacillus subtilis* spores (substitute for *C. difficile* spores)

Gregor Zupin, CEO

 MICROBIUM
Microbium d.o.o.
Litjjska cesta 261, SI-1261 Ljubljana - Dobrunje
ID za DDV: SI27697215


Microbium d.o.o.
Litjjska cesta 261,
SI-1261 Ljubljana -
Dobrunje, Slovenia

M: +386 30 255 470
E: info@microbium.si
W: www.microbium.si

ID za DDV: SI27697215,
IBAN: SI56 6100 0001 0035 191

Ljubljana, 15.02.2023



MICROBIUM
Detection and elimination of microbes

Annex to Certificate

The product **SteriPRO UVC disinfection device** of the company UVC Solutions has been subjected to extensive verification against the following bacteria: *Staphylococcus aureus* ATCC 6538, *Escherichia coli* DSM18039 and *Bacillus subtilis* spores ATCC 6633.

The validation procedure has been performed on 05.11.2020 according to the principles of the reference standard EN ISO 17272:2020, ASTM E3135-18 and SIST EN 14885:2018.

The Table below indicates the testing conditions (contact time and position) and log reduction and the reduction percentage of the indicated microorganisms:

Species	Position*	Contact time	Log reduction	Reduction percentage
<i>Escherichia coli</i> DSM 18039	3MV2	6 min	5.28	99.999 %
<i>Staphylococcus aureus</i> ATCC 6538	3MV2	6 min	7.47	99.99999 %
<i>Bacillus subtilis</i> spores ATCC 6633	3MV2	6 min	5.78	99.999 %

*Shadow position - 3m from unit at 2m height (top of the cabinet)

The standard ISO 17272:2020 provides requirements of 99.999% reduction for bacterial test strains *S. aureus*, *E. coli* and 99.99% reduction for the spores. The provided results thus conform to the requirements of the standard EN ISO 17272:2020.

Based on the provided results, we hereby confirm the bactericidal and sporicidal activity of SteriPRO UVC disinfection device of the company UVC solutions, both of which which meet the requirements of EN ISO 17272:2020.

For details, see Test report.

Microbium d.o.o.
Litijska cesta 261,
SI-1261 Ljubljana -
Dobrunje, Slovenia

M: +386 30 255 470
E: info@microbium.si
W: www.microbium.si

ID za DDV: SI27697215,
IBAN: SI56 6100 0001 0035 191



MICROBIUM
Detection and elimination of microbes