

## MICROBIOLOGICAL ACTIVITY TEST

This report describes the results of testing was carried out to verify the effectiveness of our device in the abatement of microorganisms as a function of time.

DEVICE: Blade

DISTANCE: 6 cm

TEST CULTURE: Escherichia Coli ATCC 8739

TESTS CARRIED OUT: Uncontaminated sample  
Untreated contaminated sample  
Treated sample 10 seconds  
Treated sample 30 seconds  
Treated sample 60 seconds

<b>TREATED SAMPLE 10s</b>				
TEST CULTURE	INITIAL CONCENTRATION	FINAL CONCENTRATION	METHOD	PERCENT REDUCTION
Escherichia Coli ATCC 8739	51000 CFU/cm <sup>2</sup>	30000 CFU/cm <sup>2</sup>	ISO 18593:2018 (escl. Cap. 6 e 7) + UNI ISO 16649-2:2010	41,18%
<b>TREATED SAMPLE 20s</b>				
TEST CULTURE	INITIAL CONCENTRATION	FINAL CONCENTRATION	METHOD	PERCENT REDUCTION
Escherichia Coli ATCC 8739	51000 CFU/cm <sup>2</sup>	4800 CFU/cm <sup>2</sup>	ISO 18593:2018 (escl. Cap. 6 e 7) + UNI ISO 16649-2:2010	90,59%
<b>TREATED SAMPLE 30s</b>				
TEST CULTURE	INITIAL CONCENTRATION	FINAL CONCENTRATION	METHOD	PERCENT REDUCTION
Escherichia Coli ATCC 8739	51000 CFU/cm <sup>2</sup>	1260 CFU/cm <sup>2</sup>	ISO 18593:2018 (escl. Cap. 6 e 7) + UNI ISO 16649-2:2010	97,53%