

## 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: GUNDI

DISTANCE: 2 m

TEST CULTURE: Aspergillus Niger ATCC 16404

TESTS CARRIED OUT: Uncontaminated sample  
Untreated contaminated sample  
Treated sample 2 hours  
Treated sample 4 hours  
Treated sample 8 hours

<b>TREATED SAMPLE 2h</b>				
TEST CULTURE	INITIAL CONCENTRATION	FINAL CONCENTRATION	METHOD	PERCENT REDUCTION
Aspergillus Niger ATCC 16404	92000 CFU/cm <sup>2</sup>	3600 CFU/cm <sup>2</sup>	ISO 18593:2018 (escl. Cap. 6 e 7) + UNI ISO 16649-2:2010	93,45%
<b>TREATED SAMPLE 4h</b>				
TEST CULTURE	INITIAL CONCENTRATION	FINAL CONCENTRATION	METHOD	PERCENT REDUCTION
Aspergillus Niger ATCC 16404	92000 CFU/cm <sup>2</sup>	2000 CFU/cm <sup>2</sup>	ISO 18593:2018 (escl. Cap. 6 e 7) + UNI ISO 16649-2:2010	96,36%
<b>TREATED SAMPLE 8h</b>				
TEST CULTURE	INITIAL CONCENTRATION	FINAL CONCENTRATION	METHOD	PERCENT REDUCTION
Aspergillus Niger ATCC 16404	92000 CFU/cm <sup>2</sup>	1400 CFU/cm <sup>2</sup>	ISO 18593:2018 (escl. Cap. 6 e 7) + UNI ISO 16649-2:2010	97,45%