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: Profilo PRO ALPHA

DISTANCE: 1 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

TREATED SAMPLE 2h				
TEST CULTURE	INITIAL CONCENTRATION	FINAL CONCENTRATION	METHOD	PERCENT REDUCTION
Aspergillus Niger ATCC 16404	4200000 CFU/cm2	600 CFU/cm2	ISO 18593:2018 (escl. Cap. 6 e 7) + UNI ISO 16649-2:2010	99,98%
TREATED SAMPLE 4h				
TEST CULTURE	INITIAL CONCENTRATION	FINAL CONCENTRATION	METHOD	PERCENT REDUCTION
Aspergillus Niger ATCC 16404	4200000 CFU/cm2	300 CFU/cm2	ISO 18593:2018 (escl. Cap. 6 e 7) + UNI ISO 16649-2:2010	99,99%
TREATED SAMPLE 8h				
TEST CULTURE	INITIAL CONCENTRATION	FINAL CONCENTRATION	METHOD	PERCENT REDUCTION
Aspergillus Niger ATCC 16404	4200000 CFU/cm2	300 CFU/cm2	ISO 18593:2018 (escl. Cap. 6 e 7) + UNI ISO 16649-2:2010	99,99%

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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: Profilo PRO ALPHA

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

TREATED SAMPLE 2h				
TEST CULTURE	INITIAL CONCENTRATION	FINAL CONCENTRATION	METHOD	PERCENT REDUCTION
Aspergillus Niger ATCC 16404	55000 CFU/cm2	2300 CFU/cm2	ISO 18593:2018 (escl. Cap. 6 e 7) + UNI ISO 16649-2:2010	95,82%
TREATED SAMPLE 4h				
TEST CULTURE	INITIAL CONCENTRATION	FINAL CONCENTRATION	METHOD	PERCENT REDUCTION
Aspergillus Niger ATCC 16404	55000 CFU/cm2	1100 CFU/cm2	ISO 18593:2018 (escl. Cap. 6 e 7) + UNI ISO 16649-2:2010	96,91%
TREATED SAMPLE 8h				
TEST CULTURE	INITIAL CONCENTRATION	FINAL CONCENTRATION	METHOD	PERCENT REDUCTION
Aspergillus Niger ATCC 16404	55000 CFU/cm2	1700 CFU/cm2	ISO 18593:2018 (escl. Cap. 6 e 7) + UNI ISO 16649-2:2010	96,91%

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