

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 STE CleaV

DISTANCE: 1 m

TEST CULTURE: Candida Albicans ATCC 14053

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
Candida Albicans ATCC 14053	57000 CFU/cm ²	700 CFU/cm ²	ISO 18593:2018 (escl. Cap. 6 e 7) + UNI ISO 16649-2:2010	99,42%
TREATED SAMPLE 4h				
TEST CULTURE	INITIAL CONCENTRATION	FINAL CONCENTRATION	METHOD	PERCENT REDUCTION
Candida Albicans ATCC 14053	57000 CFU/cm ²	1900 CFU/cm ²	ISO 18593:2018 (escl. Cap. 6 e 7) + UNI ISO 16649-2:2010	98,42%
TREATED SAMPLE 8h				
TEST CULTURE	INITIAL CONCENTRATION	FINAL CONCENTRATION	METHOD	PERCENT REDUCTION
Candida Albicans ATCC 14053	57000 CFU/cm ²	200 CFU/cm ²	ISO 18593:2018 (escl. Cap. 6 e 7) + UNI ISO 16649-2:2010	99,83%

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DEVICE: Profilo STE CleaV

DISTANCE: 2 m

TEST CULTURE: Candida Albicans ATCC 14053

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
Candida Albicans ATCC 14053	3800000 CFU/cm ²	24000 CFU/cm ²	ISO 18593:2018 (escl. Cap. 6 e 7) + UNI ISO 16649-2:2010	99,37%
TREATED SAMPLE 4h				
TEST CULTURE	INITIAL CONCENTRATION	FINAL CONCENTRATION	METHOD	PERCENT REDUCTION
Candida Albicans ATCC 14053	3800000 CFU/cm ²	1300 CFU/cm ²	ISO 18593:2018 (escl. Cap. 6 e 7) + UNI ISO 16649-2:2010	98,97%
TREATED SAMPLE 8h				
TEST CULTURE	INITIAL CONCENTRATION	FINAL CONCENTRATION	METHOD	PERCENT REDUCTION
Candida Albicans ATCC 14053	3800000 CFU/cm ²	1300 CFU/cm ²	ISO 18593:2018 (escl. Cap. 6 e 7) + UNI ISO 16649-2:2010	99,97%

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