

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: Escherichia Coli ATCC 8739

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
Escherichia Coli ATCC 8739	720000 CFU/cm2	900 CFU/cm2	ISO 18593:2018 (escl. Cap. 6 e 7) + UNI ISO 16649-2:2010	99,87%
TREATED SAMPLE 4h				
TEST CULTURE	INITIAL CONCENTRATION	FINAL CONCENTRATION	METHOD	PERCENT REDUCTION
Escherichia Coli ATCC 8739	720000 CFU/cm2	440 CFU/cm2	ISO 18593:2018 (escl. Cap. 6 e 7) + UNI ISO 16649-2:2010	99,93%
TREATED SAMPLE 8h				
TEST CULTURE	INITIAL CONCENTRATION	FINAL CONCENTRATION	METHOD	PERCENT REDUCTION
Escherichia Coli ATCC 8739	720000 CFU/cm2	300 CFU/cm2	ISO 18593:2018 (escl. Cap. 6 e 7) + UNI ISO 16649-2:2010	99,96%