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Declaration of test and assessment

Danish Technological Institute has performed tests of the efficiency for inactivation of allergens and bacteria of the nanoeX integrated in an air to air heat pump.

The tests were conducted with the unit installed in a 20m³ sealed room. The inactivation of the allergens was evaluated by ELISA after 0 hours and 8 hours exposure, while the effects on the reduction of viable bacteria was evaluated after 8 hours exposure was determined by colony forming units on agar plates. As reference, non-exposed samples of allergens and bacteria were stored for the same amount of time in a 45L sealed box.

The reduction efficiency for the individual allergens and bacteria are shown in the tables below:

Allergen name	Reduction after 8 hours of exposure
Ambrosia	>99.4%

Bacteria name	Reduction after 8 hours of exposure
<i>Staphylococcus aureus</i> (ATCC 6538)	99.89% ± 1.3%

The full testing procedures are presented in report no. 868988.

Best regards,
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