

## CERTIFICATE

### EOLIS Air Manager performances validation on microorganisms treatment

In accordance with standard NF B44-200, the following two microorganisms were tested by Tera Environnement laboratory:

- a Gram-positive bacterium, *Staphylococcus epidermidis*
- a fungus, *Aspergillus brasiliensis* (formerly *A. niger*)

*The concentrations of cultivable airborne microorganisms were measured simultaneously upstream and downstream of the purifier under test, by means of two 1-stage Andersen impactors (direct impaction on agar culture medium). The culture media were TSA incubated at 37°C for Staphylococcus epidermidis, and MEA incubated at 27°C for Aspergillus brasiliensis. Colonies were counted manually at 72 h.*

During the tests, EOLIS Air Manager was running at speed 5 and was fitted with a Perform<sup>+</sup> filter.

**For *Staphylococcus epidermidis*, the average purification efficiency measured in one single pass through the air purifier was 90% with UV-C lamps and photocatalysis activated, and 85% with filtration only.**

**For *Aspergillus brasiliensis*, the average purification efficiency measured in one single pass through the air purifier was 96% with UV-C lamps and photocatalysis activated, and 96% with filtration only.**

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