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## Expert opinion

Removal of bacteria from PVC surfaces with the steam cleaner **BlueEvolution S** on the basis of the practice-like 4-field-test (EN 16615)

According to test report L15/0214.1 of Dr. Brill & Partner GmbH, dated 11/05/2015 the tested product **BlueEvolution S** proved to reduce the microbial count of *Staphylococcus aureus* on the tested surface by

**99.871 % (2.89 log<sub>10</sub> steps).**

Efficacy tests were performed based on EN 16615, in which a PVC tile was contaminated with mentioned test organisms. The cleaning process is based on water vapor with a temperature between 140 and 160 °C, an additional optional removal of the dirt with hot water as well as, if needed, the mechanical exposure through different brush heads at the steam nozzle. The removed residual dirt are vacuumed by the cleaner and transported via a hose to the waste water tank. Tap water is used for the steam generation.

For the application the brush head was pulled over the contaminated tiles three times with a constant speed. Thereby, the removal rate on the first field as well as the carryover to the other fields were tested by using the superheated steam and vacuum function.

Dr. Florian H. H. Brill

