

Technologiezentrum Wasser · Karlsruher Str. 84 · 76139 Karlsruhe

Hytecon Forschung und Entwicklung GmbH



Your reference, dated

Our reference

Department

Contact

Telephone

Fax

E-mail



08.07.2019

Reference: Statement on the biosimetric efficacy of the HYPRO water LED-disinfection device

Dear Mr. Lohmann,

Herewith TZW confirms that the UV LED system "HYPRO water" (as constituted on 25.06.2019 and stated in the examination report with our reference "UV 009/18") was biosimetrically tested at our test facility located in Karlsruhe, Germany.

The results show a disinfection efficiency of $>400 \text{ J/m}^2$ with the following test conditions:

- Water transmission: $\geq 98 \%$ (UVT10) with an aging factor of 0.85
- Water transmission: $\geq 95 \%$ (UVT10) without aging factor
- Flow rate: 3.0 liter per minute
- Test organism: *Bacillus subtilis* spores

Remark: The results are based on the tested device layout as from 25.06.2019. Any changes to the hydraulic situation or LED-board layout can lead to different disinfection efficiencies.

Best regards,

TECHNOLOGIEZENTRUM WASSER
PRÜFSTELLE WASSER


Dr. Jutta Eggers


Karl-Heinz Schön

Das Technologiezentrum Wasser ist eine
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des Gas- und Wasserfaches e. V.
– Technisch-wissenschaftlicher Verein –

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