

PROF. DR. MED. M. EXNER

Direktor des Institutes für Hygiene und Öffentliche Gesundheit
der Universität Bonn

universität bonn · ihph · Venusberg-Campus 1 · 53105 Bonn

HYTECON AG

Brunnhalde 10
6006 Luzern
Schweiz



Rheinische
Friedrich-Wilhelms-
Universität Bonn

Institut für Hygiene und
Öffentliche Gesundheit
Direktor: Prof. Dr. med. M. Exner

WHO Collaborating Centre for
Health Promoting Water Manage-
ment & Risk Communication

Dr. rer. nat. J. Gebel
Abteilungsleiter

Desinfektionsmitteltestung

Venusberg-Campus 1
53105 Bonn

www.ihph.de
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Expert Report

Test of HYPRO Water by Means of Biodosimetry

Short version

The Institute for Hygiene and Public Health at Bonn University, Germany, was commissioned by HYTECON AG to test and evaluate a UV device, type HYPRO Water, by means of biodosimetry.

HYPRO Water uses 8 LED Type CUD8AF4D of Seoul Viosys as UV source and is designed as point-of-use device primarily for private households.

The following test conditions apply on the 22th of May 2018:

Water flow rate	3 l/min
UV-transmittance at 254 nm:	99.4% per cm
Test organism:	spores of <i>B. subtilis</i> ATCC 6633

Under the conditions specified above, the UV dosis determined by biodosimetry was

415 J/m²

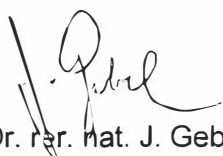
In Germany, a UV dosis of 400 J/m² is required for UV plants for public water supply.

We can thus confirm that the HYTECON device shows a very good disinfection performance under the conditions described above.

This short version is an excerpt from a longer test report which can be made available upon request.

Bonn, 4 July 2019

Prof. Dr. med. M. Exner
Director of IHPH


p.p. Dr. rer. nat. J. Gebel
Head of Laboratory