

ASSESSMENT

Biodosimetric Testing based on ÖNORM M 5873-1:2001

UV Disinfection System Type Oji Safe Premium (LED) (T.zic, 34830 Clapiers, FRANCE)

Based on the presented test report the following result was achieved under the operation conditions tested as given in Table 1.

Table 1. Overview on the results of the biodosimetric measurement

Test Point No.	Flow rate l/min	UVT-10 254 nm %	UVT-100 254 nm %	Reduction Equivalent Fluence (mean) J/m ²
1	3,95	95,63	64	371
2	3,77	95,63	64	389
3	3,54	95,63	64	395
4	2,96	95,63	64	493
5	2,51	95,63	64	621
6	1,96	95,63	64	> 700

The minimum required Reduction Equivalent Fluence of 400 J/m² was reached at a **UVT-10 of 95,63 % of the test water and a maximum flow of 2,96 l/min.** Thus, the tested system must not be operated above a flow of 3 l/min.

Test report No.: HW 187/20

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