

Results and conclusion²

Tab. 2.1: Summary of the reductions ($\log_{10}$ RF) achieved against the spores of *B. subtilis*, *B. cereus* and *C. difficile* in a practical application test using application concentrations of 25 % and 100 % **MEIKO®ACTIVE SPOROSAN® 8100 A+B** and a **process-related contact time of 2 minutes (program 1)** under clean conditions in the MEIKO bedpan washer. $\log_{10}$ RF values in bold compared to the positive control: bactericidal efficacy of ≥ 4 log levels

reference strain	$\log_{10}$ positive control		$\log_{10}$ RF relative to positive control		$\log_{10}$ RF relative to rinsing control	
	values	mean	values	mean	values	mean
<i>B. subtilis</i>	6,84	6.80	6,54	6.35	3,86	3.71
	6,84		5,80		3,12	
	6,72		6,72		4,16	
<i>B. cereus</i>	7.06	7.08	7.06	6.92	6.47	6.31
	7.07		7.07		6.47	
	7.10		6.62		5.99	
<i>C. difficile</i>	6.78	7.23	6.78	6.97	5.56	5.75
	6.96		6.96		5.56	
	7.51		7.51		5.56	
	7.68		6.64		6.31	

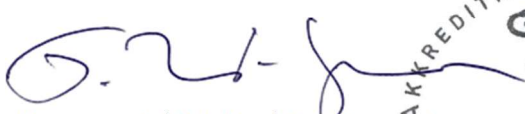
Tab. 2.2: Summary of the reductions ($\log_{10}$ RF) achieved against *B. cereus* spores in a practical application test using application concentration of 100 % **MEIKO®ACTIVE SPOROSAN® 8100 A+B** and a **process-related contact time of 30 s (program 2)** under clean conditions in the MEIKO bedpan washer. $\log_{10}$ RF values in bold compared to the positive control: bactericidal efficacy of ≥ 4 log levels

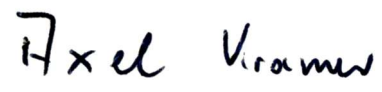
reference strain	$\log_{10}$ positive control		$\log_{10}$ RF relative to positive control		$\log_{10}$ RF relative to rinsing control	
	values	mean	values	mean	values	mean
<i>B. cereus</i>	7.06	7.08	6.58	6.32	6.12	5.84
	7.07		6.22		5.75	
	7.10		6.15		5.65	

In this practical carrier test for surface disinfection—modified for the MEIKO bedpan washer (MEIKO TopLine M3) and based on DIN EN 17387 (2021)—the two-component disinfectant **MEIKO®ACTIVE SPOROSAN® 8100 A+B** demonstrated at the tested concentration of 100 % (25 % in the wetting step, 100 % in the disinfection step, program 1) with a **process-related contact time of 2 min** when used under clean conditions (0.03% albumin) and a chamber temperature of 20 °C – 25 °C, with a total reduction of $\log_{10}$ RF ≥ 6 , sporicidal efficacy ($\log_{10}$ RF ≥ 4) against the spores reference strains *B. subtilis* and *B. cereus* (table 3.1 -4.4) and the sporicidal efficacy against the spores of the reference strain *C. difficile* (table 5.1 -5.4).

At the shorter **contact time of 30 s** the two-component disinfectant **MEIKO®ACTIVE SPOROSAN® 8100 A+B** demonstrated at the tested concentration of 100 % (100 % in the disinfection step, program 2) when used under clean conditions (0.03% albumin) and a chamber temperature of 20 °C – 25 °C, with a total reduction of $\log_{10}$ RF ≥ 6 , sporicidal efficacy ($\log_{10}$ RF ≥ 4) against the reference strain *B. cereus* (Table 6.1 – 6.3)

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