

Results and conclusion²

Tab. 2.1: Summary of the reductions ($\log_{10}$ RF) achieved against bacteria 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 ≥ 5 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>S. aureus</i>	8.37	8.28	8.37	8.28	7.68	7.68
	8.22		8.22		7.68	
	8.26		8.26		7.68	
<i>E. hirae</i>	8.16	8.12	8.16	8.12	5.63	5.63
	8.11		8.11		5.63	
	8.08		8.08		5.63	
<i>P. aeruginosa</i>	7.23	7.29	7.23	7.29	5.36	5.36
	7.24		7.24		5.36	
	7.41		7.41		5.36	
<i>E. coli</i>	6.52	6.34	6.52	6.34	2.22	2.22
	6.47		6.47		2.22	
	6.02		6.02		2.22	

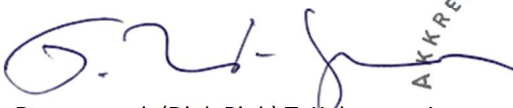
Tab. 2.2: Summary of the reductions ($\log_{10}$ RF) achieved against *S. aureus* in a practical application test using application concentration of 100 % **MEIKO®ACTIVE SPOROSAN® 8100 A+B** and a process-related contact time of 30 s (program 2) under clean conditions in the MEIKO bedpan washer. $\log_{10}$ RF values in bold compared to the positive control: bactericidal efficacy of ≥ 5 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>S. aureus</i>	8.37	8.28	8.37	8.28	7.77	7.77
	8.22		8.22		7.77	
	8.26		8.26		7.77	

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 ≥ 5 , bactericidal efficacy ($\log_{10}$ RF ≥ 5) against the reference strains *S. aureus*, *E. hirae*, *P. aeruginosa* and *E. coli* (table 3.1 -6.4).

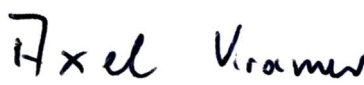
At the shorter contact time of 30 s the two-component disinfectant **MEIKO®ACTIVE SPOROSAN® 8100 A+B** demonstrated at the tested concentration of 100 % (100 % in the disinfection step, program 2) when used under clean conditions (0.03% albumin) and a chamber temperature of 20 °C – 25 °C, with a total reduction of $\log_{10}$ RF ≥ 6 , bactericidal efficacy ($\log_{10}$ RF ≥ 5) against the reference strain *S. aureus* (Table 7.1 – 7.3)

Greifswald, July 24, 2026


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