

Certificate

Bactericidal Efficacy of the Steam Cleaner SG 4/4 with floor nozzle with lamellae

of the company

Alfred Kärcher GmbH & Co. KG, Alfred-Kärcher-Str. 28-40, 71364 Winnenden

using the standardised process of the 4-Field-Test

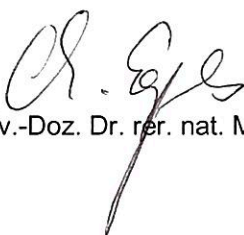
At the request of Alfred Kärcher GmbH & Co. KG Winnenden, the bactericidal efficacy of the **Steam Cleaner SG 4/4** with floor nozzle with lamellae was tested. The simulation of practical conditions using the standardised process of the 4-Field-Test was applied. Therefore, the bactericidal efficacy of the Steam Cleaner **SG 4/4** was evaluated under clean conditions on standardised PVC flooring. All of the fields were cleaned at a speed of 30 cm/s during the wiping process.

Steam Cleaner SG 4/4 with floor nozzle with lamellae (Alfred Kärcher GmbH & Co. KG)		Log- reduction 5.56 log ₁₀ > 99.999%
Device setting	maximum steam quantity controller minimum VapoHydro regulation	
Test procedure	4-Field-Test, contact plates	
Test organism	<i>Enterococcus hirae</i> ATCC 10541 (intestinal bacteria resist against higher temperatures)	
Interfering substance	clean conditions	
Test surface	PVC-flooring	
Speed	30 cm/s	

The efficacy of the Steam Cleaner SG 4/4 was shown in three independent tests with a significant 5.56 log reduction of the test organism *Enterococcus hirae* ATCC 10541. **Therefore, a bactericidal efficacy of 99.999% has been scientifically confirmed.** RODAC plates were used to find the remaining quantity of the bacterial load on the cotton mops. These investigations showed that the test organisms on the cotton mops were killed by the steam, and no other bacteria were found on the floor cloths.

The disinfecting effect of the Steam Cleaner SG 4/4 was proved by a > 5 log reduction.

Stuttgart, 2015-01-27



Priv.-Doz. Dr. rer. nat. Maren Eggert



Dipl.-Biol. Marion Kreutzberger