



Certificate

Efficacy of the Steam Cleaner SG4/4 with hand nozzle against vaccinia virus

for the company

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At the request of Alfred Kärcher SE & Co. KG Winnenden, the hygiene performance of the **Steam Cleaner SG 4/4** with hand nozzle and cleaning cloth was tested on polyvinyl chloride hard foam surfaces (FOREX® classic) under low protein load (clean conditions). The steaming time was 5 s, 10 s, 30 s and 60 s on a small surface area of 5 cm x 5 cm. The test organism was the European model virus for the claim “active against enveloped viruses” such as coronaviruses or influenza viruses. This does not apply to the human hepatitis B virus (HBV), which requires a temperature of ≥ 98 °C for 5 minutes to be inactivated. Porous surfaces were not tested.

A punctual vaporization of small areas with hand nozzle and cleaning cloth reduced the model virus for enveloped viruses by 99.999% (5 lg steps) after 30 s contact time.

By analogy, the test result of point disinfection also applies to other device types with boiler technology and the same or higher steam output at the outlet nozzle of the accessory such as SGV 6/5 and SGV 8/5 or Steam cleaner SC 1 / SC 1 EasyFix, Steam cleaner SC 2 EasyFix / SC 2 Deluxe EasyFix, Steam cleaner SC 4 EasyFix, Steam cleaner SC 5 EasyFix. The cleaning cloth has to be washed at 60 °C immediately after use.

Testing method		Reduction log ₁₀ ≥ 99.999%
Device setting	Steam Cleaner SG 4/4 with hand nozzle and cleaning cloth	
Test procedure	Punctual steam vaporisation at close range	
Methodical approach	Maximum vapour pressure Minimum VapoHydro-regulation	
Cleaning cloth	100% Polyester (polyester microfiber)	
Test organism	Modified vaccinia virus Ankara Model virus against enveloped viruses such as corona viruses, influenza viruses, etc.	
Interfering substance	clean conditions	
Test surface	FOREX® classic (polyvinyl chloride hard foam)	
Contact time	30 s	

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