



# Certificate

## Efficacy of the Steam Cleaner SC 3 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 SC 3** 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  $\geq 98$  °C for 5 minutes to be inactivated. Porous surfaces were not tested.

A punctual vaporization of small areas 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 flow heater technology and the same or higher steam output at the outlet nozzle of the accessory such as Steam cleaner SC 3 EasyFix and Steam cleaner SC 3 Upright EasyFix. The cleaning cloth has to be washed at 60 °C immediately after use.

Testing method		Reduction  $\log_{10}$  $\geq 99.999\%$
Device setting	Steam Cleaner <b>SC 3</b> with hand nozzle and cleaning cloth	
Test procedure	Punctual steam vaporisation at close range	
Methodical approach	practical application: steam operation	
Floor 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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