

STUDY REPORT ABSTRACT

N° 200421-01-EN

Client: Daikin Europe NV

Date of the Test: From January 14th, 2021 to January 26th, 2021

Device tested: DAIKIN air purifier – model MC55WVM

Efficiency test against the pathogen: Human coronavirus strain 229E
Human Coronavirus HCoV-229E is different from the virus responsible for COVID-19, SARS-CoV-2, but belongs to the same family of coronaviruses.

Condition of the Test: Contaminated air within an air-tight chamber with inner volume of 1.4 m³, no air renewal

Methodology of the Test: The principle of the test consists in nebulizing a calibrated suspension of virus in the air inside an air-tight cabinet with inner volume 1.4 m³. The purifier is then switched on for 150 seconds in turbo mode. Air was then sampled, to collect and quantify surviving viruses. The antiviral efficiency is evaluated by comparison with a reference test where active parts (dust collection electrostatic HEPA filter and Streamer unit) were removed from the purifier.

Result of the Test: The air purifier model MC55WVM of DAIKIN allows a removal of 99.98 % of Human coronavirus strain 229E from air in a 1.4 m³ chamber after 150 seconds running time in turbo mode.

Lille, November 22nd, 2021

Certified true and accurate by Dr. Michèle Vialette
Head of the the microbiological safety unit
Institut Pasteur de Lille

