

# LUDES DUO 72

Air Purifier with HEPA13 + UV-C

## TEST REPORT

Date Received: Jul. 02, 2020  
Date Analyzed: Jul. 09, 2020

### Test Method for Purification Effect of Airborne Virus Aerosols

1. Test Equipment
  - 1) Strain: *Influenza A virus A/PR8/34 H1N1*
  - 2) Cells: MDCK
2. Test Conditions
  - 1) Environment temperature: (23~25) °C
  - 2) Environment relative humidity: (50~60) %
  - 3) Test time: 60 min
  - 4) The volume of the test chamber: 30 m<sup>3</sup>
  - 5) Machine setting: "The highest gear".

### Test Results

Virus	Test Time (min)	Test Number	Virus Titer of Control Group			Virus Titer of Test Group		Removal Rate (%)
			Original Concentration (TCID <sub>50</sub> /m <sup>3</sup> )	Final Concentration (TCID <sub>50</sub> /m <sup>3</sup> )	Natural Decay Rate (%)	Original Concentration (TCID <sub>50</sub> /m <sup>3</sup> )	Final Concentration (TCID <sub>50</sub> /m <sup>3</sup> )	
A/PR8/34 (H1N1)	60	1	3.69×10 <sup>6</sup>	7.03×10 <sup>5</sup>	80.9	5.46×10 <sup>6</sup>	/	≥99.9
		2	2.49×10 <sup>6</sup>	5.85×10 <sup>5</sup>	76.5	1.17×10 <sup>6</sup>	/	≥99.9
		3	7.89×10 <sup>5</sup>	1.98×10 <sup>5</sup>	74.9	3.69×10 <sup>6</sup>	/	≥99.9

Note: "/" means not detected.

\*\*\* End of report\*\*\*