



BIOSAFETY UNIT  
LABORATORY OF BIOLOGY

## CERTIFICATE OF ANALYSIS

Date of Certification: 29/01/2021

Test Type: Air disinfection test

Instrument tested: TPA X5 by Airdog, Air Purifier

Model: KJ300F-X5, Serial No, BAKIT39A011028

Manufacturer: Anhui BeiAng Air Tech Ltd.

Test Time	Virus used	Aerosolized virus concentration (TCID <sub>50</sub> /m <sup>3</sup> ) as measured in OFF mode	Aerosolized virus concentration (TCID <sub>50</sub> /m <sup>3</sup> ) as measured in ON mode level 3	% reduction of titer
30 seconds	SARS-Cov2 B1 lineage	5.00x 10 <sup>6</sup>	4.90x 10 <sup>4</sup> ± 2.5 x 10 <sup>4</sup>	99.02

### Methodology

Aerosolized virus using nebulizer in 0.17 m<sup>3</sup> chamber

Measurement for 5 minutes on Vero E6 cells in 0.17 m<sup>3</sup> chamber in ON and OFF mode (triplicate)

Incubation for 36 hours (37°C, 5% CO<sub>2</sub>) and real-time RT-PCR quantification (SARS-Cov2 N, E)

Responsible for the analysis



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