

## Evaluation of report

Customer: Airvent Légtechnikai Zrt  
Product: UV-C FiltAir 30  
Date of sampling: 2020.10.02.  
Sampler: Synlab Hungary Kft.

### Measurement description:

Air sterilizing efficiency measurement of the UV-C FiltAir 30 product, within a reference room by examination of the air space in the room.

### Description of the measuring arrangements:

- The measurement takes place in the UV-C FiltAir demonstration room in the factory hall. The room is 30 m<sup>2</sup> and the interior height is 2.6 m. During sampling, the windows and doors of the room are closed but not airtight. The measuring environment is not considered to be trouble-free.

Prior to the measurement, the UV-C FiltAir device had not been operated for 1 day. The room was ventilated together with the outdoor ambient and factory air space. During the sampling, both Synlab and Airvent employees were in the room.

The first sampling is being performed before starting the UV-C FiltAir 30. Six samples are taken with the air sampler with a sampling time of 30 seconds.

After the first sampling, the UV-C FiltAir 30 is started at a nominal air volume of 400 m<sup>3</sup>/h. After that, the measuring staff leaves the room for 60 minutes.

The final sampling takes place 60 minutes after the start of the UV-C FiltAir 30.

Sampling is being performed with the continuous operation of the UV-C FiltAir 30, in the same way as the first measurement.

## Results

**Synlab Hungary Kft.**

**Synlab A&S Laboratory Kecskemét:**

Referenced reports: 2020/E08825

2020/E08826

Tested components	First measurement	Final measurement	Decrease
Aerobic microbe count	108 / 100L	10 / 100L	90,7%
Yeast and mould count	170 / 100L	7 / 100L	95,9%

## Measuring and sampling instruments:

Instrument: MBV AG MAS-100 Eco Microbiological Air Sampler

Identification number: 30855

Commissioning time: 01/06/2017

Calibration report number: 0855 190412

Calibration performed by: Merck Kft. 1117 Budapest, Október huszonharmadik street 6-10.

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