

Certificate of Air Cleaner filtration efficiency

Date : 2020-12-07
Object: QleanAir FS 30 HEPA
Filter Configuration: Main filter H14, Pre filter F7 (ePM1 60%)
Aerosols size particle: 0,02-2,0 µm. Average size 0,5 µm.

Equipment:

Aerosol photometer: ATI TDA-2H **Serial number:** 19227

Calibration date: 2020-08-20 **Calibraion due date:** 2021-08-20

Aerosol generator: AG-E1 **Serial number:** 1904 **Calibration:** N/A

Perfomance:

Particles was distribute with an aerosol generator into the inlet of the air cleaner.
Particle concentration upstream the filters was measured with an aerosol photometer.
Particle concentration upstream the filters should be between 10-80 µg/l.
Aerosol photometer will establish the 100 % level of the concentration. Then a scanning with a probe was performed in the outlet of the air cleaner with the aerosol photometer.
Max penetration is 0,01 % of the challenge concentration.
Measurements were performed at 2 different levels.
Measurements were performed according ISO 14644-3:2019.

Results:

Level m ³ /h	Challenge conc. in µg/l	Penetration in %	Air cleaner efficiency in %
5 (530 m ³ /h)	35	0,0006	99,9994
7 (800 m ³ /h)	28	0,0007	99,9993

Comment: There is no leakage through the FS 30 HEPA.

Certified technician



Jan Karlsson

CEO



Anders Kumbrant