



IUTA certificate

Filter performance for 3 nm particles

Customer: Philips Investment Co. China,
Ling Shi Road No. 718, Shanghai, 200072 P.R. China

IUTA report: UN2-180705-T5599900-076

Certificate number: UN2-180705-T5599900-076

Tested filter product: **Philips FY2422**

According to the current statement of Philips Shanghai the tested filter FY2422 is installed in the Philips Air Purifier AC2885, AC2887, AC2889 and AC2892 models.

Test parameters

Test aerosol: NaCl aerosol, 5 nm geometric mean diameter, classified at 3 nm with nanometer differential mobility analyzer (nano DMA)

Air Flow: 380 m³/h

Aerosol instrumentation: Classifier (model 3080) with nano DMA (model 3085) and Ultrafine Condensation Particle Counter (UCPC, model 3776), all TSI Inc.

Test set up: According to DIN 71460/ISO 11155

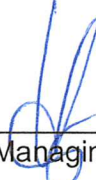
Test results

The 3 nm particle removal efficiency of the tested filters FY2422 was **>99.985 %** (see table).

Filter	Filtration efficiency for 3 nm particles* (%)
FY2422; Filter nr. 1	99.991
FY2422; Filter nr. 2	99.996
FY2422; Filter nr. 3	99.985

*Due to the low number of particles counted downstream of the filters the values in the table correspond to the minimum value of the 95 % confidence interval.

Duisburg, 22nd August 2018



Managing Director



Head of department