



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: UN2-181026-T5599900-126

Certificate number: UN2-181026-T5599900-126

Tested filter product: **Philips FY3430**

According to the current statement of Philips Shanghai the tested filter FY3430 is installed in the Philips Air Purifier AC3059, AC3055, AC3036, AC3033 and AC3039 models.

Test parameters

Test aerosol: NaCl aerosol, 4.4 nm geometric mean diameter, classified at 3 nm with nanometer differential mobility analyzer (nano DMA)

Air Flow: 450 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 FY3430 was **>99.997 %** (see table).

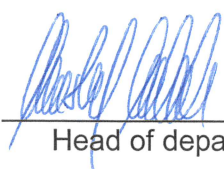
Filter	Filtration efficiency for 3 nm particles* (%)
FY3430; Filter nr. 1	99.9972
FY3430; Filter nr. 2	99.9997
FY3430; Filter nr. 3	99.9997

*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, 15th May 2019



Managing Director



Head of department