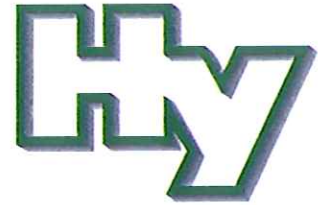


# Hygiene-Institut des Ruhrgebiets

Institut für Umwelthygiene und Toxikologie

Direktor: Prof. Dr. rer. nat. L. Dunemann

Träger: Verein zur Bekämpfung der Volkskrankheiten im Ruhrkohlengebiet e.V.



Hygiene-Institut, UMWELT Postfach 10 12 55 · 45812 Gelsenkirchen

Besucher-/Paketanschrift:  
Rotthaus Str. 21, 45879 Gelsenkirchen

Zentrale (0209) 9242-0  
Durchwahl (0209) 9242-290  
Telefax (0209) 9242-222  
E-Mail s.horn@hyg.de  
Internet www.hyg.de

Unser Zeichen: W-240602e-14-Ho  
Vormals: W-231879ke-13-Ho  
Ansprechpartnerin: Dipl.-Ing. (FH) S. Horn

Gelsenkirchen, den 28.07.2014

## HYGIENE - CERTIFICATE

(Transcription of Hygiene - Certificate W-231879k-13-Ho)

Testing of microbial metabolic potential pursuant to DIN EN ISO 846 (10/1997) as well as testing of chemical resistance regarding selected disinfectants according to DIN EN ISO 2812-1 and DIN EN ISO 4628-1

**Antragsteller:** Aldes Aéraulique SAS  
20 boulevard Joliot- Curie  
69200 VENISSIEUX - FRANCE

**Prüfmaterial:** „aldes Optiflex antibacterial circular duct“ (plastic pipe, outside white / inside white-grey)


**Prüfmethode:** Testing according to DIN EN ISO 846 method A und C  
Testing of chemical resistance regarding selected disinfectants according to DIN EN ISO 2812-1 and DIN EN ISO 4628-1


According to our test report W-230613-13-Ho (05.06.2013), the above-mentioned tested material fulfils the requirements concerning the microbial metabolic potential pursuant to VDI 6022, sheet 1 (07/2011).

Additionally, the above-mentioned material proved to be chemically stable towards four selected disinfectants under the test conditions described in test report W-227579-13-Ho (19.03.2013).

This test certificate also covers the material „aldes Optiflex antibacterial oval duct“ (plastic pipe outside white / inside white).

The Director of the Institute  
i. A.

  
(Priv.-Doz. Dr. G.-J. Tuschewitzki)  
Head of the Department of Water  
Hygiene and Environmental  
Microbiology

  
(Dipl.-Ing. (FH) S. Horn)  
Section head of Air Conditioning  
technology  
Department of Water  
Hygiene and Environmental  
Microbiology

The results and evaluations refer to the examined samples or test objects and the valid legal regulations.

The validity of this document expires when the legal basic regulations change and also for products with the examined test object is changed.

Without our written permission, this document may only be published or copied in its entirety and in unchanged form.

Träger: Verein zur Bekämpfung der Volkskrankheiten im Ruhrkohlengebiet e.V., Vereinsregister: VR 519 Amtsgericht Gelsenkirchen, USt.-ID: DE125018356  
Vorstand: Prof. Dr. Werner Schlake (Vors.), Prof. Dr. Jürgen Kretschmann, Dr. Emanuel Grün, Volker Vohmann, Prof. Dr. Lothar Dunemann (geschäftsführ. Vorstand)