



Product Service

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Technical Report No. 713152997

Rev. 0
dated 20.03.2019

translation of the German original

Client: Alfred Kärcher GmbH & Co. KG
Reinigungssysteme
Alfred-Kärcher-Straße 28-40
D-71364 Winnenden

Manufacturing place: Zhejiang Zhaohui Filter Technology
No.370, North Century Road, ChongFu Economic Development Zone,
Tongxiang, Zhejiang

Test subject: Product: HEPA filter element
Type: 6.414-076.0

Test specification: DIN EN 1822-4:2011 Annex A, Determining leakage of filter elements
DIN EN 1822-5:2011, Determining the efficiency of filter elements

Purpose of examination:

- Leakage test
- Performance test of the filter in new and discharged condition with dispersed mist of DEHS at MPPS

Test result: According the classification described in DIN EN 1822-1 the filter element complies with the grade H14 at a nominal air flow of 120 m³/h and a media velocity of 12.3 cm/s.
The filter element was leak-free.

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Leak test

Test Aerosol:	PAO
Face velocity:	ca. 1.3 cm/s
Particle size / Median diameter:	ca. 190 nm
Mass concentration:	1.5 g/m ³

test result:

No leaks were detected.

4. Remark

This report documents the characteristics of the tested samples at the moment of the examination. Filtration performance under certain application conditions cannot necessarily be predicted from these data.

This report on the type testing is valid for filter elements that are identical with the test samples. The test organisation does not monitor the identity. This test report will lose its validity immediately:

- if it should emerge over the course of time that the measures taken - concerning construction, reproduction, packing, etc. - do not provide any certainty that the required filter effect is attained by the use of this type of filter;
- if the materials, manufacture, or technical data of the filter type are changed;
- or if the basis for the examination is changed.

This report will lose its validity, if the test standards change, latest on 31st March 2022.

4.1 Remark about the marking:

The marking of the filter is not according to the requirements of DIN EN 1822-1:2011, clause 9.



Product Service

5. Summary

Classification EN1822:

According the classification described in DIN EN 1822-1 the filter element complies with the grade H14 at a nominal air flow of 120 m³/h and a media velocity of 12.3 cm/s.

Leak test:

The filter element was leak-free.

TÜV SÜD Product Service GmbH

Technical Report checked

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