



valid until: May 13, 2031

# Fraunhofer

## TESTED<sup>®</sup> DEVICE

PFENNIG Reinigungstechnik GmbH  
Elis Cleanflow GMP  
**Report No. PF 2509-1668**

### Single product Particle Emission in Cleanroom (atmospheric)

### Qualification Certificate

This is to certify that the product mentioned above, provided by

**PFENNIG Reinigungstechnik GmbH**  
Durach, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number PF 2509-1668.

When operated in a dry state under the specified test conditions (room temperature: 22 °C ± 0.5 °C; relative humidity: 45 % ± 5 %), the mop Elis Cleanflow GMP (material: 100 % Polyester (76 % recycled), color: white with dark blue stripes; pre-treatment: pre-washed) was assessed in compliance with ISO 14644-14 and VDI Part 9.2 is suitable for use in cleanrooms up to the following Air Cleanliness Class according to ISO 14644-1:

Test parameter(s)	Air Cleanliness Class
Linear compression = 120 mm Torsion = 180° Cycle time t = 1 s	5
<b>Overall result</b>	

This corresponds with ISO-ACP<sub>c</sub> Class 5 according to VDI 2083 Part 9.2.

Please note: Transport damages, incorrect installation, aging behavior etc. can influence the test result.

PF 2509-1668 Stuttgart, May 13, 2026  
Report No. first document Place, date of first document issued

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Report No. current document Place, current date

on behalf of   
Dr.-Ing. Frank Bürger, head of business unit Testing and Certification

This document only applies to the named product in its original state and is valid for a period of 5 years from the date the first document was issued. The document can be verified under [www.tested-device.com](http://www.tested-device.com).

Detailed information and parameters of the test environment can be found in the Fraunhofer IPA test report.

The norms stated generally refer to the version valid at the time of the tests.

DUPLICATE