

Fraunhofer TESTED® DEVICE

Pfennig Reinigungstechnik GmbH MicroMop Ultra CR/A Report No. PF 2503-1605

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

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.

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



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 2503-1605.

When operated in a dry state under the specified test conditions (room temperature: $22 \degree C \pm 0.5 \degree C$; relative humidity: $45 \% \pm 5 \%$), the MicroMop Ultra CR/A (pre-washed, polyester, blue-multicolored) 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 = 120mm Torsion = 180° Cycle time t = 1s	4
Overall result	

This corresponds with ISO-ACP_c Class 4 according to VDI 2083 Part 9.2.

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

PF 2503-1605 Report No. first document

Stuttgart, April 30, 2025 Place, date of first document issued

Report No. current document

Place, current date



