



valid until: February 12, 2029

Fraunhofer

TESTED[®] DEVICE

Protect2Clean GmbH
Vipers VMP50
Report No. PR 2310-1466

Single product Particle Emission

Qualification Certificate

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

Protect2Clean GmbH
Brunswick, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number PR 2310-1466.

When operated in a dry state using the given test parameters, the disposable mop Vipers VMP50 (100 % Polyester, white) 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
Overall result	

This corresponds with ISO-ACP_c Class 5 according to VDI 2083 Part 9.2.

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

PR 1901-1092 Stuttgart, February 12, 2019
Report No. first document Place, date of first document issued

PR 2310-1466 Stuttgart, February 12, 2024
Report No. current document Place, current date

on behalf of 
Dr.-Ing. Frank Bürger, Project Manager Fraunhofer IPA



This document only applies to the named product in its original state and is valid for a period of 5 years from the current date the 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.