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TESTED®
DEVICE

BMP EUROPE SRL
DYNAMICROLL CB 125
Report No. BM 2111-1281

Statement of
Qualification

Single product
Particle Emission

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Statement of Qualification · Single product

Customer

BMP EUROPE SRL
Strada della Freisa 1
14019 Villanova D'Asti (AT)
Italy

Component tested

Category: Cleanroom Facilities

Subcategory: Wall/Ceiling/Floor/Door

Product name: CLEAN ROOM SPEED DOOR DYNAMICROLL CB 125
(manufacturing date: 6/1/2021; color: RAL9010; batch number: HS83026000; serial number: D2211895)

Random sampling of particle emissions (airborne) at representative sites

Standards/Guidelines: ISO 14644-1, -14
The norms stated generally refer to the version valid at the time of the tests.

Test devices: Optical particle counter:
LasAir II 110 and LasAir III 110 with measuring ranges ≥ 0.1 µm, ≥ 0.2 µm, ≥ 0.3 µm, ≥ 0.5 µm, ≥ 1.0 µm and ≥ 5.0 µm

Test environment parameters:

- Cleanroom Air Cleanliness Class (according to ISO 14644-1): ISO 1
- Airflow velocity: 0.45 m/s
- Airflow pattern: vertical laminar flow
- Temperature: 22 °C ± 0.5 °C
- Relative humidity: 45 % ± 5 %

Test procedure parameters:

- Cycles per minute: n = 1
- Opening velocity: v_o = 1.2 m/s
- Closing velocity: v_c = 0.6 m/s
- Break between opening and closing: t_1 = 30 s
- Break between closing and opening: t_2 = 30 s

Test result / Classification

When operated under the specified test conditions, the CLEAN ROOM SPEED DOOR DYNAMICROLL CB 125 is suitable for use in cleanrooms fulfilling the specifications of the following Air Cleanliness Class according to ISO 14644-1:

Test parameter(s)	Air Cleanlines Class
n = 1 v_o = 1.2 m/s v_c = 0.6 m/s t_1 = 30 s t_2 = 30 s	**5**
Overall result	

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

The measuring devices used for the qualification tests are calibrated at regular intervals; their results can be traced back to national and international standards. In cases where no national standards exist, the test procedure implemented complies with the technical regulations and norms applicable at the time of the test. The relevant documentation can be viewed on request at any time.

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

Fraunhofer Institute for Manufacturing Engineering and Automation IPA

Department of Ultraclean Technology and Micromanufacturing

Nobelstrasse 12
70569 Stuttgart
Germany

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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 date the first document was issued. The document can be verified under **www.tested-device.com**.