



Fraunhofer

TESTED[®] DEVICE

Bosch Rexroth AG
ACTIVE Shuttle 2.1
Report No. BO 2503-1609

Single product Particle Emission in Cleanroom (atmospheric)

Qualification Certificate

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

Bosch Rexroth AG
Stuttgart, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE
bearing the report number BO 2503-1609.

The ACTIVE Shuttle AMR Transport vehicle + CHARGER AS2.1
+ CONTACTING MODULE AS2.1 WITH FRAME (color: traffic
white (RAL 9003) and anthracite gray (RAL 7016)) was assessed
in compliance with ISO 14644-14. When operated under the
specified test conditions (room temperature: $22^{\circ}\text{C} \pm 0.5^{\circ}\text{C}$;
relative humidity: $45\% \pm 5\%$), it is suitable for use in cleanrooms
fulfilling the specifications of the following Air Cleanliness Classes
according to ISO 14644-1:

Test parameter(s)	Air Cleanliness Class
Running process	5
Charging process	6
Overall result	6

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

BO 2503-1609
Report No. first document

Stuttgart, June 27, 2025
Place, date of first document issued

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Report No. current document

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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.

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



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