

Fraunhofer

TESTED® DEVICE

ABB Engineering (Shanghai) Ltd. IRB 14000-0.5/0.5

Report No. AB 2010-1184

Single product Particle Emission

Qualification Certificate

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

ABB Engineering (Shanghai) Ltd. Shanghai, China

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number AB 2010-1184.

The robot IRB 14000-0.5/0.5 (color: gray) was assessed in compliance with ISO 14644-14. When operated under the specified test conditions, 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
Velocity = 50 %	5
Velocity = 100 %	5
Overall result	5

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

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.

AB 2010-1184

Report No. first document

Report No. current document

Stuttgart, January 26, 2021

Place, date of first document issued

Place, current date

on behalf of Aller.



IPA