



# Fraunhofer

## TESTED<sup>®</sup> DEVICE

KUKA Roboter GmbH  
LBR iiwa 14 R820  
**Report No. KU 1605-829**

### Particle Emission

### Qualification Certificate

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

**KUKA Roboter GmbH**  
Augsburg, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number KU 1605-829.

When operated under the specified test conditions, the robot LBR iiwa 14 R820 (color: white) is suitable for use in cleanrooms fulfilling the specifications of the following Air Cleanliness Class according to ISO 14644-1:

Test parameter(s)	Air Cleanliness Class
Workload = 40 %	3
Workload = 80 %	4
<b>Overall result</b>	<b>4</b>

The validity of this certificate applies only to the mentioned product in this particular condition for a duration of 5 years.  
Further information:  
[www.tested-device.com](http://www.tested-device.com)

DUPLICATE

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

Stuttgart, July 29, 2016

on behalf of   
Frank Bürger, Project manager Fraunhofer IPA