



Fraunhofer

TESTED[®] DEVICE

KUKA Deutschland GmbH
KR 6 R1840-2 arc HW
Report No. KU 2012-1197

Single product Particle Emission

Qualification Certificate

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

KUKA Deutschland GmbH
Augsburg, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE
bearing the report number KU 2012-1197.

The robot KR6 R1840-2 arc HW (color: orange) 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 = 40 %	5
Velocity = 80 %	5
Overall result	5

Coating was found to be flaking off the test object. This was probably caused by tightening the screws. This should be avoided, since large particles pose a contamination risk in cleanrooms and the production areas located inside them. Therefore, the coating should be prepared so that it does not chip off when the robot is installed in a cleanroom.

KU 2012-1197
Report No. first document

Stuttgart, February 19, 2021
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, 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.

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