



valid until: April 17, 2031

Fraunhofer

TESTED[®] DEVICE

KUKA Deutschland GmbH
KR 6 R1840-2 arc HW
Report No. KU 2602-1729

Single product Particle Emission in Cleanroom (atmospheric)

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 2602-1729.

The robot KR 6 R1840-2 arc HW (color: orange) was assessed in compliance with ISO 14644-14. When operated under the specified test conditions (room temperature: 22 °C ± 0.5 °C; relative humidity: 45 % ± 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
40 % of maximum velocity	6
80 % of maximum velocity	6
Overall result	6

Coating was found to be flaking off the test object. 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.

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

KU 2012-1197
Report No. first document

Stuttgart, February 19, 2021
Place, date of first document issued

KU 2602-1729
Report No. current document

Stuttgart, April 17, 2026
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 current date the 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.

The norms stated generally refer to the version valid at the time of the tests.