



valid until: April 28, 2028

# Fraunhofer

## TESTED<sup>®</sup> DEVICE

KUKA Deutschland GmbH  
KR 10 R1100-2

Report No. **KU 2210-1359**

### Single product Particle Emission Dry-Cleanroom

### 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 2210-1359.

The robot KUKA KR 10 R1100-2 (color: white) was assessed in compliance with ISO 14644-14. When operated under the specified test conditions, it is suitable for use in cleanrooms (divergent with a dew point of  $-40^{\circ}\text{C} \pm 2^{\circ}\text{C}$ ; room temperature of  $21^{\circ}\text{C} \pm 1.5^{\circ}\text{C}$ ) fulfilling the specifications of the following Air Cleanliness Classes according to ISO 14644-1:

Test parameter(s)	Air Cleanliness Class
50 % of maximum velocity Attached payload: 10kg	5
100 % of maximum velocity Attached payload: 10kg	6
<b>Overall result</b>	<b>6</b>

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

KU 2210-1359  
Report No. first document

Stuttgart, April 28, 2023  
Place, date of first document issued

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Report No. current document

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Place, current date

on behalf of 

DUPLICATE

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](http://www.tested-device.com). Detailed information and parameters of the test environment can be found in the Fraunhofer IPA test report.