



# Fraunhofer

## TESTED<sup>®</sup> DEVICE

KUKA Deutschland GmbH  
KMriisy CR  
**Report No. KU 2302-1396**

### 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 2302-1396.

The KMriisy CR in combination with LBR iisy 11 R1300 or LBR iisy 15 R930 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
80 % of max. velocity, 150 mm above ground	1
80 % of max. velocity, 80 mm above ground	4
80 % of max. velocity, 10 mm above ground	4
80 % of max. velocity, at ground level*	5
67 % of max. velocity, at ground level*	5
<b>Overall result</b>	<b>5</b>

\*If its operated on a perforated raised floor with a low-turbulence flow, the particles at ground level are not critical.

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

KU 2302-1396  
Report No. first document

Stuttgart, December 14, 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   
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](http://www.tested-device.com).

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