





Fraunhofer TESTED® DEVICE KUKA Roboter GmbH KR 6/10 AGILUS sixx CR

Report No. KU 1401-685

Statement of Qualification

Particle Emission

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Customer:	KUKA Roboter GmbH Zugspitzstraße 140 86165 Augsburg	Test result / Classification: (ISO 14644-1)	The Robot Series KR 6/10 AGILUS sixx CR is suitable for use in clean- rooms fulfilling the specifications of Air Cleanliness Class 2.	
	Deutschland		Parameter	Air Cleanliness Class
			40%	2
Component tested			80%	2
Category:	Automation component		Overall result	2
Subcategory:	Robotics			
Product name:	Robot Series KR 6/10 AGILUS sixx CR (tested on robots KR6 R900 sixx CR / serial number 500040 and KR10 R1100 sixx CR / serial number 502072)			

Random sampling of particle emissions (airborne) at representative sites

Standards/Guidelines:	VDI 2083-9.1; ISO 14644-1 The norms stated refer to the relevant editions applicable at the time of the tests.
Test devices:	 Optical particle counter: LasAir II 110 with measuring ranges ≥ 0.1 µm, ≥ 0.2 µm, ≥ 0.3 µm, ≥ 0.5 µm, ≥ 1.0 µm and ≥ 5.0 µm Airnet 310 with measuring ranges ≥ 0.3 µm, ≥ 0.5 µm, ≥ 1.0 µm and ≥ 5.0 µm
Test environment parameters:	 Cleanroom Air Cleanliness Class (according to ISO 14644-1): ISO 1 Airflow velocity:
Test procedure parameters:	 Speed:

The measuring devices used for the qualification tests are calibrated at regular intervals; their results can be traced back to national and international standards. In cases where no national standards exist, the test procedure implemented complies with the technical regulations and norms applicable at the time of the test. The relevant documentation can be viewed on request at any time.

For further information about the test environment and parameters, please refer to the Fraunhofer IPA test report.

Fraunhofer Institute for Manufacturing Engineering and Automation IPA

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Place, current date			
LA FORBIN			
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This document only applies to the named product in an unchanged state and is valid from the date of issue for a period of 5 years. The document can be verified under www.tested-device.com