



valid until: May 22, 2029

# Fraunhofer

## TESTED<sup>®</sup> DEVICE

KUKA Deutschland GmbH  
LBR iisy 11 R1300 CR  
**Report No. KU 2303-1404**

### Single product Outgassing Behavior VOC/SVOC

### 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 2303-1404.

The outgassing behavior of LBR iisy 11 R1300 CR at rest (color: white and orange) at the stated temperature was investigated according to ISO 14644-15. Based on the outgassing rates determined for the specific equipment, the following material classification was made for the corresponding Contaminant Category:

Contaminant Category (x)	SER <sub>u</sub> <sup>1)</sup> 23°C [g/unit · s]	ISO ACC <sub>e</sub> Class (x) based on 23° C
VOC	7.4 x 10 <sup>-9</sup>	<b>-8.5</b>
SVOC	< 8.3 x 10 <sup>-11</sup>	<b>&lt; -10.1</b>
Amines	< 8.3 x 10 <sup>-11</sup>	--
Organophosphates	< 8.3 x 10 <sup>-11</sup>	--
Siloxanes	2.5 x 10 <sup>-10</sup>	--
Phthalates	< 8.3 x 10 <sup>-11</sup>	--

<sup>1)</sup>SER<sub>u</sub>: Unit-specific emission rate

KU 2303-1404  
Report No. first document

Stuttgart, May 22, 2024  
Place, date of first document issued

--  
Report No. current document

--  
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.