

## Fraunhofer

## TESTED® DEVICE

igus GmbH e-skin flat single pod system **Report No. IG 2110-1268** 

## Single product Outgassing Behavior VOC/SVOC

## **Qualification Certificate**

This is to certify that the product mentioned above, provided by

igus GmbH Cologne, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number IG 2110-1268.

The outgassing behavior of the e-skin flat single pod system with CFCLEAN and support chain (color: white) at the stated temperatures was investigated according to ISO 14644-15. Based on the outgassing rates determined for the specific equipment, the following equipment classification was made for the corresponding Contaminant Category:

Contaminant Category (x)	<b>SER<sub>u</sub>¹) 23°C</b> [g/unit·s]	ISO ACC <sub>e</sub> Class (x) based on 23° C
VOC	8.8 x 10 <sup>-11</sup>	-10.1
SVOC	< 2.8 x 10 <sup>-13</sup>	< -12.6
Amines	5.9 x 10 <sup>-13</sup>	
Organophosphates	< 2.8 x 10 <sup>-13</sup>	
Siloxanes	1.2 x 10 <sup>-12</sup>	
Phthalates	< 2.8 x 10 <sup>-13</sup>	

<sup>1)</sup>SER\_: Unit-specific emission rate

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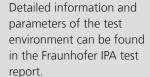
Stuttgart, January 21, 2022

Place, date of first document issued

Report No. current document

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n behalf of August Project Manager Fraunhofer



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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

