



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)	SER _u ¹⁾ 23 °C [g/unit · s]	ISO ACC _e Class (x) based on 23° C
VOC	8.8×10^{-11}	- 10.1
SVOC	$< 2.8 \times 10^{-13}$	< - 12.6
Amines	5.9×10^{-13}	--
Organophosphates	$< 2.8 \times 10^{-13}$	--
Siloxanes	1.2×10^{-12}	--
Phthalates	$< 2.8 \times 10^{-13}$	--

¹⁾SER_u: Unit-specific emission rate

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Stuttgart, January 21, 2022
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.

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