



valid until: January 25, 2028

Fraunhofer

TESTED[®] DEVICE

item Industrietechnik
Castor D75 swivel

Report No. IT 2207-1335

Single product
Outgassing Behavior
VOC/SVOC

Qualification Certificate

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

item Industrietechnik GmbH
Solingen, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE
bearing the report number IT 2207-1335.

The outgassing behavior of the Castor D75 swivel with
double-brake ESD (color: grey) at the stated temperatures
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 _u ¹⁾ 23 °C [g/unit · s]	ISO ACC _e Class (x) based on 23° C
VOC	6.0×10^{-10}	-9.2
SVOC	6.4×10^{-12}	-11.2
Amines	$< 2.8 \times 10^{-13}$	--
Organophosphates	$< 2.8 \times 10^{-13}$	--
Siloxanes	$< 2.8 \times 10^{-13}$	--
Phthalates	$< 2.8 \times 10^{-13}$	--

¹⁾SER_u: Unit-specific emission rate

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Report No. first document

Stuttgart, January 25, 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 

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
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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.



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