



valid until: November 22, 2029

# Fraunhofer

## TESTED<sup>®</sup> DEVICE

igus GmbH  
TH3.25.2/26.070.8

**Report No. IG 2304-1412**

Single product  
**Particle Emission  
in Cleanroom  
(atmospheric)**

## 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 2304-1412.

The hygienic design e-chain TH3.25.2/26.070.8 (color: blue) was  
assessed in compliance with ISO 14644-14. When operated under  
the specified test conditions (room temperature:  $22^{\circ}\text{C} \pm 0.5^{\circ}\text{C}$ ;  
relative humidity:  $45\% \pm 5\%$ ), it is suitable for use in cleanrooms  
fulfilling the specifications of the following Air Cleanliness Classes  
according to ISO 14644-1:

Test parameter(s)	Air Cleanliness Class
$v_1 = 0.5 \text{ m/s}; a_1 = 1.0 \text{ m/s}^2$	1
$v_2 = 1.0 \text{ m/s}; a_2 = 2.0 \text{ m/s}^2$	1
$v_3 = 2.0 \text{ m/s}; a_3 = 4.0 \text{ m/s}^2$	1
<b>Overall result</b>	<b>1</b>

Please note: Transport damages, incorrect installation, aging  
behavior etc. can influence the test result.

IG 2304-1412  
Report No. first document

Stuttgart, November 22, 2024  
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 B rger, 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.