



IPA

Dry-Cleanroom

valid until: December 3, 2030

Fraunhofer

TESTED[®]
DEVICE

igus GmbH
SLW-1040-10X25-E7-AL
Report No. IG 2511-1689

Single product Particle Emission in Dry-Cleanroom

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.

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 2511-1689.

The linear modul with lead screw SLW-1040-10X25-E7-AL (color: silver/aluminium) was assessed in compliance with ISO 14644-14. When operated under the specified test conditions (room temperature of $22^{\circ}\text{C} \pm 1^{\circ}\text{C}$; dew point: $-40^{\circ}\text{C} \pm 2^{\circ}\text{C}$), it is suitable for use in dry-cleanrooms fulfilling the specifications of the following Air Cleanliness Classes according to ISO 14644-1:

Test parameter(s)	Air Cleanliness Class
$v_1 = 20.83 \text{ mm/s}$; Break time: 1000 ms Payload (weight force): 25 N	4
$v_2 = 33.30 \text{ mm/s}$; Break time: 1000 ms Payload (weight force): 25 N	4
$v_3 = 41.70 \text{ mm/s}$; Break time: 1000 ms Payload (weight force): 25 N	4
Overall result	4

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

IG 2511-1689
Report No. first document

Stuttgart, December 3, 2025
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, head of business unit Testing and Certification



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