



valid until: November 21, 2030

Cleanroom (atmospheric)

## Single product Particle Emission in Cleanroom (atmospheric)

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](http://www.tested-device.com).

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

DUPPLICATED

# Fraunhofer

TESTED<sup>®</sup>  
DEVICE

EXPRESSO Deutschland  
lift2move cleanroom

**Report No. EX 2509-1673**

## Qualification Certificate

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

**EXPRESSO Deutschland GmbH & Co. KG**  
Kassel, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number EX 2509-1673.

The lift2move cleanroom (color: silver) 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 Class according to ISO 14644-1:

Test parameter(s)	Air Cleanliness Class
Stroke length: $s = 1600\text{ mm}$ Travel speed: $v = 80\text{ mm/s}$ Pause time: $t = 60\text{ s}$ after each cycle Cycles: $n = 1200$ Payload: $m = 180\text{ kg}$	<b>5</b>
Overall result	

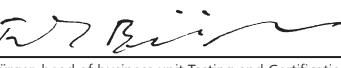
Please note: Transport damages, incorrect installation, oil leakage; aging behavior, corrosion etc. can influence the test result.

EX 2509-1673  
Report No. first document

Stuttgart, November 21, 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



**Fraunhofer**  
IPA