



Fraunhofer

TESTED[®]

DEVICE

Mobile Industrial Robots A/S
MiR250
Report No. MI 2108-1246

Single product Particle Emission

Qualification Certificate

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

Mobile Industrial Robots A/S
Odense SØ, Denmark

has been awarded a Fraunhofer certificate TESTED DEVICE
bearing the report number MI 2108-1246.

The mobile robot MiR250 with the LINEA 5940UAP100P30-11 RAL7001 castor wheels (color: gray) was assessed in compliance with ISO 14644-14. When operated under the specified test conditions, 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
$v_1 = 0.8 \text{ m/s}$; $a_1 = 0.3 \text{ m/s}^2$ $m_1 = 100 \text{ kg}$	4
$v_2 = 0.8 \text{ m/s}$; $a_2 = 0.3 \text{ m/s}^2$ $m_2 = 250 \text{ kg}$	4
Overall result	4

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.

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

MI 2108-1246
Report No. first document

Stuttgart, August 18, 2021
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